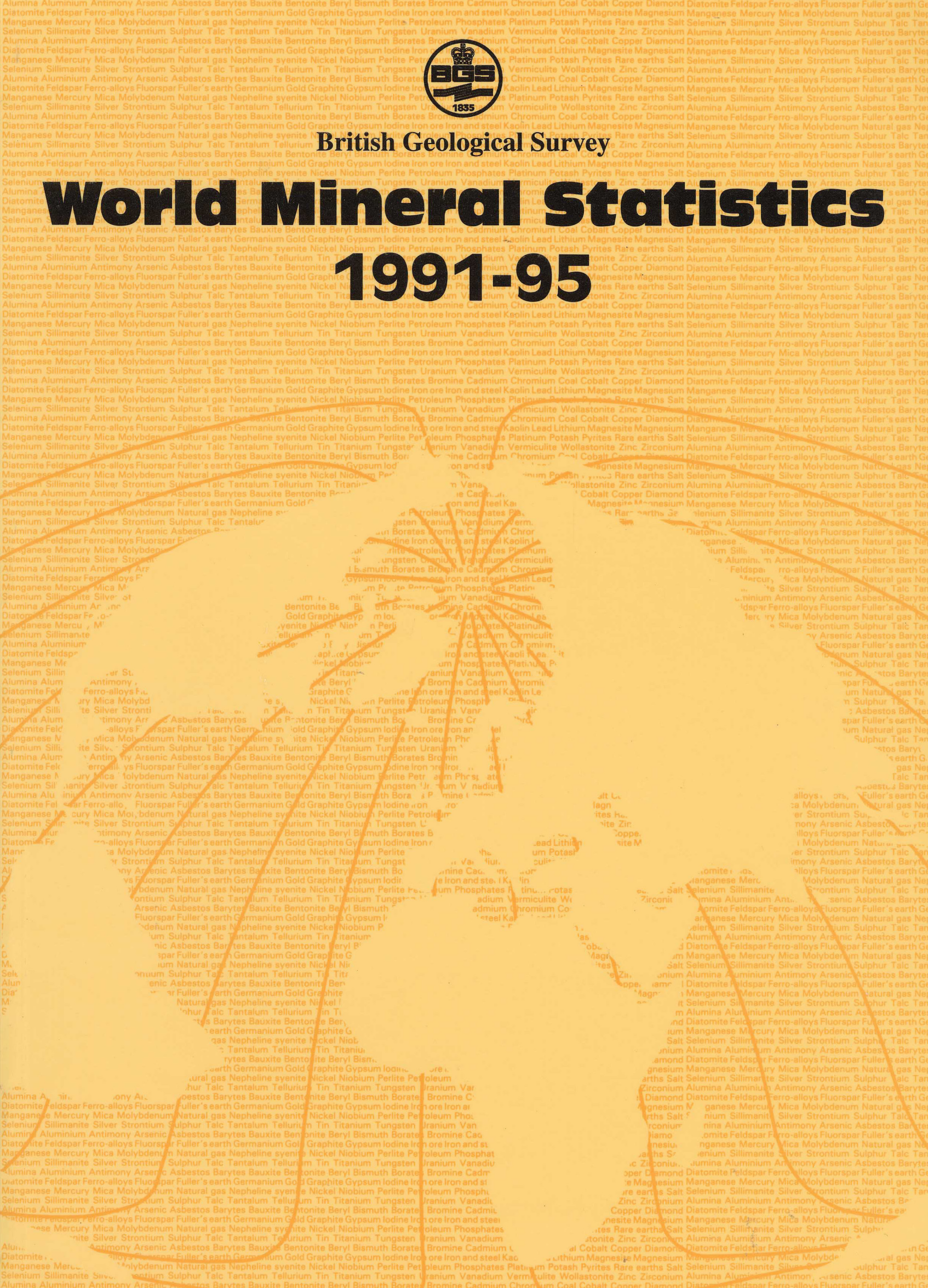




British Geological Survey

# World Mineral Statistics 1991-95





BRITISH GEOLOGICAL SURVEY

# WORLD MINERAL STATISTICS 1991–95

Production: Exports: Imports

Compiled by L E Taylor, J A Hillier, M E Fellows,  
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BRITISH GEOLOGICAL SURVEY

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*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 Overseas Development Administration.*

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

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## PREFACE

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

The publication is compiled from a more comprehensive data set 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.

A dial-up on-line subscription service is available and data will also shortly be available on disc. A micro-fiche service for production data will be re-introduced if it appears that a demand exists. Although data on consumption are not compiled it is possible to calculate apparent consumption of many commodities from the published production and trade data, although stock changes have to be ignored unless such information is obtainable elsewhere.

It is clear from the statistics that the upturn in mineral production trends identified in 1994 continued into 1995 with production increases shown for the majority of minerals, reflecting the continuing movement out of recession of most national economies. In particular, steel production continued to increase and so consequently did the production of steel-alloying metals such as chromium, manganese, vanadium, molybdenum and nickel. Most base metals also show an upward movement in production, although lead remained level reflecting both the efficacy of recycling and environmental concerns.

Energy minerals (oil, gas and coal) all showed production increases. Coal continued to rise after declining from 1989 to 1993. Petroleum and natural gas attained all-time high levels of production in 1995.

Industrial minerals also show upward trends with some notable exceptions. Mine production of gypsum fell, possibly due to the impact of synthetic desulphogypsum. Total production of salt declined due partly to the increasing replacement of chlorine by other materials in the pulp-bleaching industry and sulphur production fell in line with lower consumption in the phosphate and other industries.

To illustrate the geographic distribution of production there are included in this volume, for the first time, a selection of world maps showing producer countries arranged by size category. These demonstrate the remarkable concentration of supply in the cases of commodities such as chromium, nickel and diamonds. The statistics and maps show that salt is produced by more countries (96 in total) than any other mineral, followed by petroleum and (88) and gold (75). In reality, natural and crushed-rock aggregates are probably the most commonly-worked minerals world-wide but not enough reliable statistics are available to justify their inclusion in this volume. The past 15 years' production trends are also shown as a series of bar-charts for a larger selection of commodities.

A feature of the past decade, well shown by the world maps, has been the emergence of the People's Republic of China as the leading world producer of a number of minerals and metals. In 1995 these comprised tin, tungsten, antimony, arsenic, barytes, fluorspar, graphite, coal, iron ore, manganese, rare earth minerals, salt and talc. In contrast, production of the majority of minerals in the states of the former Soviet Union (FSU) has fallen significantly, with the exceptions of nickel and natural gas. Compilation of statistical data from the individual countries of both the FSU and Yugoslavia continues to demand considerable research. As a result of the deconstruction of those two unions the total number of mineral-producing countries is now 153, compared to 132 in 1990.

Many of the estimates shown in the trade tables are the result of reconstructing trade data, and research to elucidate trade patterns and tonnages is always on-going.

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, in particular the International Consultative Group on Non-ferrous Metal Statistics, is gratefully acknowledged.

The British Geological Survey continues to provide a reliable, comprehensive and continuous set of data covering most of the minerals that enter international trade. Concern has been expressed recently about the shortcomings of economic statistics, world-wide, and the consequences for national and international financial management. The statistics of raw materials may be more comprehensible than those for financial services but they are no less important, as recent events in the metals markets have shown. They attain a particular significance when considering approaches to sustainable development and to balanced environmental analysis. We hope to continue this statistical service at its present high standard with the continued 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.

Peter J Cook  
*Director*

British Geological Survey  
Keyworth  
Nottingham NG12 5GG

18 December 1996

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## 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.

*German Democratic Republic* For 1991 and 1992, the data shown against Federal Republic of Germany includes data for the former German Democratic Republic, where available.

*Yugoslavia* This refers to the former Socialist Federal Republic of Yugoslavia unless otherwise stated.

### 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, Natural Resources Canada; the Australian Bureau of Agricultural and Resource Economics; the Department of Mineral and Energy Affairs of South Africa; the Indian Bureau of Mines; 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 UK Iron and Steel Statistics Bureau, 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.

Supplementary information is also obtained from publications dealing with a wider range of commodities such as American Bureau of Metal Statistics, *Non-ferrous Metal Data*; *Annales des Mines, Realites Industrielles*; *Metaleurop, 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	1991	1992	1993	1994	1995
France	183 300	104 000	151 000	128 000	131 000
Greece	2 164 773	2 084 611	2 205 498	2 196 371	1 916 000
Italy	8 700	97 500	90 100	23 400	11 200
Albania	8 000	—	—	*2 000	...
Bosnia & Herzegovina	—	*200 000	*100	100	...
Hungary	2 036 700	1 721 100	1 561 300	835 700	1 014 600
Romania	200 500	176 100	186 600	184 100	174 300
Russia	—	4 578 000	4 260 000	3 633 000	*3 500 000
Soviet Union (a)	7 870 000	—	—	—	—
Turkey	483 598	612 996	594 600	373 381	232 278
Yugoslavia (g)	(f) 2 542 000	792 000	102 000	—	60 000
Ghana	485 100	338 200	423 700	426 100	513 000
Guinea	17 065 000	15 997 000	17 040 000	11 124 000	12 393 500
Mozambique	7 760	8 840	5 990	9 620	10 663
Sierra Leone	1 376 200	1 256 900	1 164 600	728 700	—
Dominican Republic	6 514	—	—	—	—
Jamaica	11 610 000	11 367 000	11 184 000	11 564 000	10 857 000
USA (b)	*50 000	*45 000	*55 000	*100 000	*100 000
Brazil (c)	10 364 200	9 365 600	9 669 000	8 673 300	8 761 300
Guyana	2 145 907	2 373 759	2 083 200	2 093 000	2 028 080
Suriname	3 136 341	3 251 935	3 156 080	3 803 103	3 578 700
Venezuela	1 997 066	1 116 930	2 530 317	4 772 877	5 183 827
China	5 926 000	6 660 900	6 468 200	6 621 300	*6 700 000
India	4 735 000	4 898 300	5 276 800	4 809 100	5 162 600
Indonesia	1 246 322	803 507	1 320 418	1 342 400	904 400
Iran (d) (e)	98 425	169 350	296 815	*100 000	*100 000
Kazakhstan	—	*1 732 000	*1 700 000	2 584 000	3 300 000
Malaysia	376 418	330 593	68 824	161 919	184 433
Pakistan	4 324	3 461	4 845	4 570	17 300
Australia	40 503 000	39 746 000	41 320 000	41 646 000	42 655 000
World total	116 600 000	109 800 000	112 900 000	107 900 000	109 500 000

(a) Including nepheline concentrates and alunite

(b) Dried bauxite equivalent

(c) Including beneficiated and direct shipping ore

(d) Alunite

(e) Years ended 20 March following that stated

(f) Excluding data from August to December for the Republic of Croatia

(g) As from 1992 data is for Serbia and Montenegro only

## Production of Alumina

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	120 000	120 000	120 000	110 000	110 000
France (a)	403 765	365 000	362 000	338 400	425 300
Germany, Federal Republic of	1 148 310	1 119 898	1 109 978	950 734	994 000
Greece	407 843	399 739	614 870	548 000	629 700
Irish Republic	980 392	972 549	1 103 268	1 786 000	1 814 000
Italy	525 800	498 300	549 100	556 928	857 000
Spain	656 200	626 800	692 200	1 070 600	1 094 800
Azerbaijan	—	*240 000	*206 000	70 000	27 000
Bosnia & Herzegovina	—	*100 000	50 000	50 000	...
Czechoslovakia	186 600	*100 000	—	—	—
Hungary (a)	653 000	545 000	421 000	184 000	352 800
Romania (a)	310 000	280 000	293 174	301 576	323 415
Russia	—	2 718 000	2 661 200	2 168 400	*2 250 000
Slovakia	—	—	*90 000	*90 000	*65 000
Slovenia	—	*45 000	40 000	40 000	...
Soviet Union (a)	5 276 000	—	—	—	—
Turkey	159 091	156 474	169 195	155 300	171 978
Ukraine	—	1 229 000	1 250 000	*1 100 000	*1 200 000
Yugoslavia (b)	780 000	110 000	*70 000	60 600	35 300
Guinea	650 900	603 200	642 300	648 385	573 370
Canada	1 131 000	1 104 000	1 182 000	1 170 000	1 064 000
Jamaica	3 014 585	2 917 162	2 989 360	3 221 222	3 030 167
USA	*5 230 000	*5 185 000	*5 290 000	*4 860 000	*4 530 000
Brazil	1 742 500	1 833 000	1 853 200	1 867 500	2 147 000
Suriname	1 509 638	1 575 606	1 506 550	1 498 123	1 579 700
Venezuela	1 481 000	1 282 163	1 500 064	1 551 450	1 641 000
China	1 522 000	1 583 000	1 827 255	1 846 900	2 080 000
India	1 435 000	1 484 000	1 489 500	1 455 800	*1 650 000
Japan	564 700	466 700	460 100	674 600	743 200
Kazakhstan	—	*1 053 000	*1 100 000	*822 000	1 010 000
Australia	11 713 000	11 783 000	12 598 000	12 819 000	13 147 000
World total	41 600 000	40 500 000	42 200 000	42 000 000	43 600 000

Note(s):

(1) Where possible figures in this table show the alumina equivalent (Al<sub>2</sub>O<sub>3</sub>) of total hydrate produced, whether or not calcined

(a) Calcined

(b) As from 1992 data is for Serbia and Montenegro only

## Production of Primary Aluminium

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	293 512	244 163	239 099	231 223	237 899
Austria	80 384	32 866	—	—	—
France	346 194	423 000	426 200	384 100	364 500
Germany, Federal Republic of	705 033	626 491	551 933	504 956	575 200
Greece	150 878	150 850	146 800	144 300	130 900
Italy	218 000	160 700	155 600	175 600	177 800
Netherlands	(b) 253 563	(b) 227 328	231 800	219 400	215 600
Spain	355 200	359 000	355 900	338 100	361 900
Sweden	96 339	103 297	108 040	108 823	94 500
Azerbaijan	—	*24 000	*7 000	10 000	11 000
Bosnia & Herzegovina	—	*30 000	*15 000	*10 000	*10 000
Croatia	—	20 406	*25 956	25 993	*26 000
Czechoslovakia	49 387	32 670	—	—	—
Hungary	63 318	26 857	27 876	29 600	34 900
Iceland	88 768	89 478	94 200	99 300	100 200
Norway (a)	858 227	838 133	887 461	856 967	846 794
Poland	45 793	43 600	46 900	49 500	55 700
Romania	158 400	111 992	112 360	119 600	141 500
Russia	—	2 725 000	2 800 800	2 670 500	2 790 000
Slovakia	—	—	17 815	40 000	80 000
Slovenia	—	84 809	74 700	74 300	*80 000
Soviet Union	3 252 000	—	—	—	—
Switzerland	65 899	50 794	36 439	24 171	20 726
Turkey	55 817	58 581	58 501	59 700	61 513
Ukraine	—	105 000	104 000	98 000	98 000
Yugoslavia (d)	*314 000	66 947	25 778	6 900	...
Cameroon	85 600	82 500	86 500	86 100	79 300
Egypt (c)	177 707	177 838	178 477	188 464	180 300
Ghana	173 400	179 000	174 100	140 700	135 400
South Africa	169 390	172 795	175 867	172 700	195 300
Canada	1 821 642	1 971 843	2 308 868	2 254 683	2 171 992
Mexico	66 936	—	—	—	10 413
USA	4 121 000	4 042 000	3 695 000	3 299 000	3 375 000
Argentina	166 290	153 000	170 593	173 371	183 113
Brazil	1 139 600	1 193 300	1 172 000	1 184 600	1 188 100
Suriname	30 657	32 358	30 112	26 706	28 100
Venezuela	609 548	567 399	574 626	592 718	637 000
Bahrain	209 800	292 460	450 000	451 903	453 883
China	963 000	1 096 400	1 255 400	1 498 300	1 657 600
Dubai	239 030	244 600	242 300	246 900	248 100
India	504 284	496 300	466 400	472 000	511 900
Indonesia	174 773	188 772	205 526	221 900	228 100
Iran	107 743	117 230	109 190	120 814	117 000
Japan	32 400	18 884	18 263	16 956	18 034
Korea, Republic of	13 604	*12 000	—	—	—
Tajikistan	—	*345 000	*253 000	236 500	230 000
Australia	1 235 000	1 245 000	1 388 000	1 318 000	1 297 000
New Zealand	260 400	241 600	269 500	268 000	*269 000
World total	19 800 000	19 500 000	19 800 000	19 300 000	19 700 000

(a) May include some super purity aluminium

(b) Sales

(c) Years ended 30 June of that stated

(d) As from 1992 data is for Serbia and Montenegro only

## Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Bauxite	8 291	9 764	(j) 16 407	(j) 23 220	(j) 39 533
Alumina	11 033	12 762	...	...	...
Alumina hydrate	42 674	47 033	...	...	...
Unwrought	39 105	20 378	10 705	79 416	133 316
Unwrought alloys	91 217	114 782	118 750	140 720	180 541
Scrap	80 171	71 975	93 759	100 723	105 461
Austria					
Unwrought (a)	64 680	65 917	56 495	68 078	...
Scrap	32 320	37 819	43 532	38 895	...
Belgium-Luxembourg					
Bauxite	1 236	992	442	3 352	...
Alumina	955	740	714	5 314	...
Unwrought	3 132	3 288	3 269	5 619	...
Unwrought alloys	50 594	71 298	84 554	98 242	...
Scrap	69 055	85 801	102 231	120 351	...
Denmark					
Unwrought	463	767	576	238	57
Unwrought alloys	7 760	13 637	18 525	17 117	23 739
Scrap	26 822	25 192	26 353	31 212	36 403
Finland					
Unwrought (a)	20 430	24 532	33 135	28 092	29 500
France					
Bauxite	17 450	12 723	10 751	13 392	...
Alumina	83 726	82 452	95 211	128 904	...
Alumina hydrate	94 769	99 969	109 883	107 738	...
Unwrought	40 220	132 185	67 669	94 811	94 661
Unwrought alloys	87 307	86 971	177 688	117 169	109 905
Scrap	141 033	137 326	114 458	142 299	...
Germany, Federal Republic of					
Bauxite	198 495	39 818	34 097	29 164	30 108
Alumina	238 977	203 344	174 152	217 733	177 547
Alumina hydrate	313 082	251 338	246 006	322 482	344 758
Unwrought	54 878	54 552	38 712	47 273	27 687
Unwrought alloys	235 549	269 988	208 711	225 553	235 135
Scrap	316 585	367 743	317 008	382 685	441 785
Greece					
Bauxite	824 573	952 724	861 487	...	...
Alumina	318 269	333 644	240 695	290 431	...
Alumina hydrate	14 831	16 432	134 760	...	...
Unwrought (a)	61 552	69 813	72 851	52 975	...
Scrap	2 080	5 091	6 432	...	...
Irish Republic					
Alumina	1 039 839	938 189	923 197	1 213 876	1 197 651
Alumina hydrate	37 877	48 323	15 063	24 258	16 100
Unwrought (a)	1 615	1 056	1 941	3 855	5 864
Scrap	11 278	13 203	11 997	11 709	10 715
Italy					
Bauxite	3 611	38 430	23 430	4 304	...
Alumina	389 418	465 075	320 060	296 025	...
Alumina hydrate	10 147	12 292	8 167	15 631	...
Unwrought	5 982	3 361	5 205	1 702	2 593
Unwrought alloys	11 548	23 032	29 164	23 095	34 039
Scrap	10 556	11 858	10 730	11 782	...
Netherlands					
Bauxite	21 909	23 677	11 024	33 962	...
Alumina	97 375	99 145	93 026	84 237	...
Alumina hydrate	4 066	9 542	1 871	25 795	...
Unwrought	99 846	88 245	135 095	151 923	(a) 576 800
Unwrought alloys	232 565	247 767	263 370	318 465	...
Scrap	129 089	145 123	139 651	151 639	...
Portugal					
Scrap	5 552	8 878	9 287	...	...

## Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
Spain					
Bauxite	627	540	696	1 518	...
Alumina	247 077	234 641	211 821	278 592	...
Alumina hydrate	56 504	75 935	83 771	286 077	...
Unwrought	19 576	15 672	9 857	3 744	(a) 114 500
Unwrought alloys	103 547	123 495	159 360	142 302	...
Scrap	7 588	14 117	16 059	4 746	...
Sweden					
Alumina	191	2 427	3 031	4 076	...
Unwrought	9 979	5 778	5 787	9 053	...
Unwrought alloys	47 823	48 330	47 200	46 198	55 326
Scrap	34 006	27 135	27 343	36 470	44 218
Azerbaijan					
Unwrought (a) (f)	—	*2 200	*6 800	*2 000	...
Belarus					
Unwrought (a) (f)	—	*9 900	*12 000	*49 600	...
Bulgaria					
Unwrought (a) (f)	*1 500	*5 800	*8 300	*7 800	...
Scrap (f)	*3 200	*3 500	*1 000	...	...
Croatia					
Bauxite	—	341	1 105	2 934	4 917
Unwrought (a)	—	3 617	3 625	3 896	1 451
Czechoslovakia					
Unwrought (a) (f)	*34 200	*30 100	—	—	—
Scrap (f)	*5 500	*11 400	—	—	—
Czech Republic					
Unwrought (a)	—	—	(f) *26 000	27 597	...
Scrap (f)	—	—	*11 200	...	...
Estonia					
Unwrought (a) (f)	—	*12 100	*6 000	*1 100	...
Scrap (f)	—	*10 500	*7 300	*2 800	...
Hungary					
Bauxite	300 000	226 476	278 004	—	...
Alumina	460 000	469 426	354 501	168 996	...
Unwrought (a)	100 000	41 827	27 886	32 369	...
Scrap	...	16 525	10 495	17 170	...
Iceland					
Unwrought (a)	86 267	90 497	91 801	100 567	99 657
Latvia					
Unwrought (a) (f)	—	*8 800	*27 400	*15 400	...
Scrap (f)	—	*8 900	*4 700	*3 600	...
Lithuania					
Unwrought (a) (f)	—	*4 700	*18 100	*6 500	...
Norway					
Unwrought	241 677	239 544	264 373	290 584	215 748
Unwrought alloys	568 547	563 181	523 949	575 781	594 825
Scrap	28 407	20 301	17 009	17 539	21 011
Poland					
Unwrought (a)	15 291	15 430	(f) *11 700	20 303	...
Scrap	16 783	(f) *15 600	(f) *9 400	(f) *5 000	...
Romania					
Alumina	19	7 836	2 029	1 485	12 312
Unwrought	64 015	93 654	75 075	99 568	99 804
Russia					
Alumina (f)	—	...	...	*40 100	...
Unwrought (a)	—	1 190 003	2 146 582	2 301 000	2 232 000
Scrap	—	...	6 871	1 865	4 867
Slovakia					
Unwrought (f)	—	—	...	*16 200	...
Scrap (f)	—	—	...	*33 500	...
Slovenia					
Alumina	—	12 519	12 636	4 142	...
Unwrought	—	43 702	44 599	47 317	...
Switzerland					
Alumina	2 655	832	490	562	491
Unwrought (a)	32 928	13 971	5 671	7 600	7 462
Scrap	34 537	51 104	60 011	63 786	60 994

## Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
Turkey					
Bauxite	57 800	50 330	48 650	30 160	15 350
Alumina	34 048	41 641	51 301	38 442	43 503
Unwrought (a)	7 080	7 091	4 672	7 189	12 113
Ukraine					
Unwrought (a)	—	(f) *17 800	(f) *50 500	80 307	53 407
Scrap	—	...	...	1 500	145
Yugoslavia (i)					
Bauxite	(b) 241 280	850	...	...	...
Unwrought	(b) 49 365	24 332	...	...	...
Unwrought alloys	(b) 6 973	8 130	...	...	...
Scrap	(b) 370	151	...	...	...
Cameroon					
Unwrought (a)	54 425	67 200	68 400	...	...
Egypt					
Unwrought (a)	89 700	125 700	106 924	15 934	...
Ghana					
Bauxite	324 313	399 155	365 000	452 000	...
Unwrought (a)	129 700	154 200	112 100	153 900	...
Guinea					
Bauxite (f)	*12 700 000	*11 100 000	*10 200 000	*10 400 000	...
Alumina	650 000	600 000	640 000	645 000	570 000
Mozambique					
Bauxite	8 442	8 913	5 990	9 709	10 663
Sierra Leone					
Bauxite	1 176 800	1 365 100	944 900	735 200	...
South Africa					
Unwrought (a)	82 661	98 766	85 993	56 900	90 000
Scrap (f)	*2 000	*3 200	*1 900	*3 500	...
Canada					
Alumina	85 696	94 998	97 178	96 600	91 483
Unwrought	769 866	856 177	1 093 209	949 820	911 512
Unwrought alloys	703 317	749 098	747 965	927 588	807 208
Scrap	173 675	197 415	199 168	236 634	237 355
Cuba					
Scrap (e)	970	419	—	844	...
Dominican Republic					
Bauxite (h)	30 337	—	—	—	—
Jamaica					
Bauxite	4 260 881	4 128 330	3 916 723	3 649 419	3 546 893
Alumina	3 037 461	2 951 068	2 950 270	3 349 033	3 044 590
Mexico					
Scrap	18 452	40 162	44 751	68 285	...
USA					
Bauxite	75 178	70 816	147 513	143 715	121 323
of which: Re-exports	8 669	7 846	14 205	14 854	11 103
Alumina	1 431 849	1 162 495	1 358 132	1 164 026	1 036 291
Alumina hydrate	54 145	48 355	53 338	68 223	64 452
Unwrought	633 392	469 594	262 968	175 127	189 366
Unwrought alloys	158 489	134 370	174 842	212 166	258 852
Scrap	461 521	298 231	176 606	262 545	355 934
Argentina					
Unwrought	92 370	67 589	86 012	81 424	...
Brazil					
Bauxite	5 823 521	4 362 391	6 509 800	4 416 136	5 045 710
Alumina	120 440	149 415	196 379	299 834	288 154
Unwrought	721 259	781 738	771 587	736 401	681 725
Unwrought alloys	30 348	34 799	28 043	41 439	21 284
Guyana					
Bauxite	1 328 520	2 192 328	2 050 024	1 996 492	1 971 063
Suriname					
Alumina	1 382 000	1 515 181	1 378 716	1 416 160	...
Unwrought	21 000	32 000	28 700	25 200	26 300

## Exports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
Venezuela					
Alumina	233 696	226 983	307 383	260 243	...
Unwrought	386 083	383 318	375 744	(a) 445 000	436 000
Unwrought alloys	59 446	104 476	39 610	...	...
Scrap	11 547	17 629	20 487	...	...
Bahrain					
Unwrought (a)	101 351	149 500	333 449	308 400	...
China					
Bauxite	541 554	864 363	520 265	378 340	449 544
Alumina	646 294	148 682	100 276	38 518	...
Unwrought (a)	68 556	55 803	67 984	130 902	191 493
Scrap	2 706	14 962	11 711	17 601	17 747
Dubai					
Unwrought (a)	235 800	248 600	242 600	254 800	247 000
Hong Kong					
Bauxite (g)	10 561	3 915	1 010	261	326
Alumina (g)	17	24 316	32 003	26 463	12 251
Unwrought	21 955	(a) 79 912	(a) 83 992	(a) 106 308	(a) 253 339
of which: Re-exports	21 857	(a) 79 720	(a) 83 399	(a) 104 584	(a) 253 070
Scrap	31 895	51 287	44 091	82 148	174 913
of which: Re-exports	5 488	17 888	13 684	35 939	109 190
India (c)					
Bauxite	121 618	247 238	232 423	97 210	...
Alumina	334 442	347 123	544 506	479 569	...
Unwrought (a)	68 094	102 441	64 487	66 907	...
Indonesia					
Bauxite	1 077 036	596 830	1 211 649	1 029 549	...
Unwrought (a)	123 016	147 311	132 348	143 552	147 400
Israel					
Unwrought (a) (f)	*2 100	*2 900	*1 800	*2 100	...
Scrap (f)	*4 000	*6 400	*7 600	*7 900	...
Japan					
Alumina	121 012	48 519	71 356	68 496	...
Alumina hydrate	131 084	147 994	130 624	128 261	...
Unwrought	1 338	1 948	1 542	2 155	3 154
Unwrought alloys	3 311	3 206	7 101	9 539	9 695
Scrap	6 874	5 359	6 248	9 729	...
Jordan					
Scrap	1 440	2 370	2 487	...	...
Kazakhstan					
Alumina	—	15 000	12 000	...	...
Korea, Dem. P.R. of					
Unwrought (a) (f)	*3 000	*3 300	*3 400	*2 300	...
Korea, Republic of					
Unwrought (a)	1 810	15 889	20 305	59 384	90 818
Malaysia					
Bauxite	302 048	198 200	77 900	158 638	150 125
Scrap	4 826	6 416	5 706	...	...
Saudi Arabia					
Scrap	23 052	23 085	...	12 763	...
Singapore					
Alumina	11 788	14 369	19 096	32 299	2 978
of which: Re-exports	11 659	14 325	19 070	32 158	2 859
Unwrought	43 205	57 385	77 691	90 139	119 956
of which: Re-exports	39 311	55 173	72 161	86 083	117 750
Scrap	19 067	20 806	25 121	49 259	29 797
Taiwan					
Alumina	959	167	823	1 079	889
Unwrought (a)	52 867	72 224	97 204	104 884	127 205
Scrap	5 275	7 907	7 133	14 790	24 165
Tajikistan					
Unwrought (a)	—	48 600	270 775	204 509	...



**Exports of Bauxite, Alumina and Aluminium**

Country	1991	1992	1993	1994	1995
Australia					
Bauxite	*5 450 000	*5 348 000	*4 800 000	*4 900 000	*4 900 000
Alumina	9 274 000	9 604 000	9 753 000	10 601 000	10 727 000
Unwrought (a)	953 400	930 000	1 056 000	948 000	957 000
Scrap (d)	62 793	52 506	33 821	...	...
New Zealand (d)					
Unwrought (a)	240 941	249 667	223 698	239 687	246 230
Scrap	9 602	9 273	11 744	10 945	...

## 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) Data for the Federal Republic of Yugoslavia only
  - (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) Some material believed to come from stocks
  - (i) As from 1992 data is for Serbia and Montenegro only
  - (j) Including alumina

## Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Bauxite	387 027	386 252	327 832	336 107	412 549
Alumina	586 109	513 295	404 327	415 788	43 679
Alumina hydrate	23 513	48 683	39 388	61 731	65 824
Unwrought	122 361	241 472	479 556	377 366	281 129
Unwrought alloys	99 403	126 397	115 708	99 649	106 961
Scrap	29 040	40 330	48 350	59 912	74 574
Austria					
Bauxite	48 763	40 540	43 421	38 057	...
Alumina	176 497	82 439	32 727	34 362	...
Alumina hydrate	8 715	6 667	7 025	5 949	...
Unwrought	53 384	96 694	96 783	216 976	...
Unwrought alloys	96 813	103 877	81 999	82 050	...
Scrap	51 683	52 210	45 305	54 275	...
Belgium-Luxembourg					
Bauxite	44 774	70 494	31 692	34 123	...
Alumina	10 383	9 871	10 077	10 696	...
Alumina hydrate	53 027	74 669	84 647	80 927	...
Unwrought	251 813	229 896	236 740	264 296	...
Unwrought alloys	118 815	116 966	74 148	104 067	...
Scrap	140 597	173 607	149 550	192 251	...
Denmark					
Bauxite	2 185	2 139	2 299	1 811	3 458
Alumina	544	554	493	585	557
Alumina hydrate	4 929	5 527	4 638	3 247	6 016
Unwrought	427	675	156	589	662
Unwrought alloys	29 788	27 615	21 048	28 958	34 734
Scrap	9 637	15 938	21 030	24 325	20 295
Finland					
Bauxite	8 037	6 982	6 243	7 496	...
Alumina	1 134	1 524	5 781	3 536	...
Alumina hydrate	27 166	28 059	30 814	...	...
Unwrought	15 585	15 445	16 834	(a) 38 757	(a) 22 900
Unwrought alloys	3 859	5 392	8 868	...	...
Scrap	37 758	55 318	55 664	...	...
France					
Bauxite	1 239 070	1 342 577	974 777	1 216 638	...
Alumina	355 082	578 636	605 774	558 350	...
Alumina hydrate	36 737	33 248	39 797	79 476	...
Unwrought	254 583	250 189	258 859	272 287	283 163
Unwrought alloys	296 966	268 270	150 460	172 541	186 111
Scrap	203 559	215 863	142 553	144 503	...
Germany, Federal Republic of					
Bauxite	2 549 118	2 616 678	2 243 062	2 275 916	2 011 489
Alumina	877 748	689 469	563 200	485 303	514 681
Alumina hydrate	69 750	74 813	62 769	134 698	300 032
Unwrought	666 475	795 465	517 910	741 826	705 592
Unwrought alloys	340 544	366 921	346 934	461 246	609 879
Scrap	195 137	204 621	181 768	218 969	242 145
Greece					
Bauxite	200	160	73 716	...	...
Alumina	620	2 223	2 488	342	...
Unwrought (a)	26 627	47 685	19 321	56 689	...
Scrap	1 444	962	22 790	...	...
Irish Republic					
Bauxite	1 976 987	1 984 334	2 184 776	2 369 136	2 720 864
Alumina	4 362	30 840	3 571	3 358	3 769
Unwrought (a)	7 720	7 598	10 693	10 236	5 362
Italy					
Bauxite	1 667 669	1 708 486	1 706 723	2 076 101	...
Alumina	196 319	153 655	88 462	92 295	...
Alumina hydrate	128 488	106 075	65 588	82 792	...
Unwrought	298 966	312 022	230 036	293 952	276 340
Unwrought alloys	212 679	217 196	206 203	284 800	298 137
Scrap	168 084	182 458	211 168	252 659	...

## Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
Netherlands					
Bauxite	133 475	124 534	151 078	112 425	...
Alumina	567 626	541 830	470 794	608 171	...
Alumina hydrate	57 017	69 163	58 843	93 899	...
Unwrought	134 939	140 195	264 842	395 834	(a) 622 300
Unwrought alloys	48 161	54 873	106 238	86 084	...
Scrap	118 272	134 476	124 726	254 300	...
Portugal					
Bauxite	1 971	324	2 555	1 526	...
Alumina	7 690	6 667	1 303	...	...
Unwrought	14 232	15 033	6 616	(a) 67 797	(a) 73 000
Unwrought alloys	35 935	45 054	48 738	...	...
Spain					
Bauxite	1 935 071	1 812 749	1 586 305	2 007 139	...
Alumina	21 879	23 806	22 319	26 061	...
Alumina hydrate	15 380	14 605	18 111	28 022	...
Unwrought	35 910	43 477	68 307	106 820	(a) 125 800
Unwrought alloys	26 033	28 284	20 063	23 518	...
Scrap	15 080	16 949	23 922	34 370	...
Sweden					
Bauxite	65 879	50 741	54 145	44 808	...
Alumina	445 735	163 780	173 606	175 425	...
Alumina hydrate	59 921	50 928	57 245	57 318	...
Unwrought	21 073	26 429	31 145	102 606	...
Unwrought alloys	27 896	24 074	32 905	54 845	53 663
Scrap	4 593	4 619	5 944	8 682	...
Bulgaria					
Unwrought (a) (f)	*8 900	*11 600	*4 200	*3 600	...
Croatia					
Bauxite	—	17 851	15 428	...	...
Alumina	—	1 004	1 074	...	...
Unwrought (a)	—	24 212	15 416	...	...
Scrap	—	3 867	2 077	...	...
Czechoslovakia					
Bauxite	400 000	200 000	—	—	—
Alumina (f)	*3 400	*2 200	—	—	—
Unwrought (a)	50 000	50 000	—	—	—
Scrap (f)	*2 700	*3 600	—	—	—
Czech Republic					
Alumina	—	—	(f) *2 700	14 214	...
Scrap (f)	—	—	*5 200	...	...
Hungary					
Unwrought (a)	94 200	100 030	95 285	130 669	...
Iceland					
Alumina	185 459	204 448	158 224	169 580	229 470
Norway					
Bauxite	19 010	32 392	25 614	39 545	32 747
Alumina	1 697 538	1 691 213	1 722 893	1 720 504	1 576 786
Alumina hydrate	33 442	32 009	28 060	30 214	35 638
Unwrought	67 715	81 901	70 590	147 605	104 380
Unwrought alloys	13 323	23 584	32 125	49 305	47 923
Scrap	28 246	38 893	35 666	68 505	60 576
Poland					
Bauxite	17 866	63 369	...	34 441	...
Alumina	112 506	(f) *93 000	(f) *102 300	108 811	...
Unwrought	17 300	26 544	(a) (f) *64 500	38 258	...
Romania					
Bauxite	311 172	487 862	521 045	540 716	660 494
Alumina	61 140	9 428	12 747	2 304	15 230
Russia					
Bauxite	1 851 000	2 848 500	2 792 300	3 440 000	2 867 000
Alumina	—	29 841	3 987	...	...
Slovakia					
Bauxite	—	—	287 990	...	...
Unwrought (a)	—	—	12 092	(f) *1 700	...

## Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
Slovenia					
Bauxite	—	17 584	8 712	28 593	...
Alumina	—	166 206	189 747	140 833	...
Unwrought	—	16 930	21 214	27 204	...
Soviet Union					
Alumina (f)	*862 200	—	—	—	...
Switzerland					
Bauxite	1 051	1 688	1 193	1 717	1 134
Alumina	144 331	107 945	73 151	59 658	55 731
Unwrought	64 597	61 456	63 520	105 402	102 184
Unwrought alloys	28 793	33 615	27 514	31 762	28 649
Scrap	6 191	4 339	4 053	6 646	8 359
Turkey					
Bauxite	36 129	34 864	48 296	65 475	28 723
Alumina	2 958	1 966	2 340	3 220	13 631
Unwrought	26 286	34 493	50 335	29 495	59 930
Unwrought alloys	36 696	47 326	70 552	38 007	41 646
Ukraine					
Bauxite	—	...	...	(h) 2 180 540	1 557 830
Unwrought (a)	—	...	...	(h) 3 096	2 240
Yugoslavia (b)					
Bauxite	(g) 22 545	2 196	...	...	...
Alumina	(g) 434	738	...	...	...
Unwrought	(g) 11 595	2 009	...	...	...
Unwrought alloys	(g) 416	409	...	...	...
Algeria					
Alumina	2 092	2 000	...	...	...
Unwrought (a)	5 574	5 672	5 700	5 985	...
Cameroon					
Alumina	521 157	165 000	...	...	...
Ghana					
Alumina	175 000	180 000	...	...	...
Kenya					
Alumina	*3 000	*2 300	...	...	...
Morocco					
Bauxite	6 351	10 898	2 306	9 937	...
Alumina	4 091	4 403	...	...	...
Unwrought (a)	2 039	2 143	2 844	2 460	...
Nigeria					
Unwrought (a)	2 500	2 500	2 500	...	...
South Africa					
Bauxite	11 094	22 058	8 811	15 693	10 966
Alumina	303 872	288 737	330 890	314 278	606 335
Alumina hydrate	11 597	10 691	15 125	17 313	13 373
Scrap	5 863	1 942	1 367	1 549	2 259
Tunisia					
Bauxite	2 015	1 510	1 335	1 394	...
Alumina	28 195	26 916	102	54	...
Alumina hydrate	4 131	6 982	...	32 377	...
Unwrought	(a) 2 610	(a) 1 483	3 870	1 848	...
Canada					
Bauxite	2 773 509	2 799 415	2 860 528	2 929 411	2 623 621
Alumina	2 456 234	2 558 970	3 275 750	3 347 836	3 172 083
Unwrought	27 676	22 887	34 877	37 184	25 880
Unwrought alloys	46 201	62 583	74 203	104 392	108 017
Scrap	46 339	52 524	52 934	63 361	55 885
Costa Rica					
Unwrought (a)	4 235	6 235	7 206	6 620	...
Mexico					
Bauxite	44 051	37 242	36 334	18 950	...
Alumina	96 180	17 762	20 914	17 010	...
Alumina hydrate	45 786	46 152	45 025	48 223	...
Unwrought	24 428	45 173	84 370	59 310	31 400
Unwrought alloys	29 523	31 156	46 758	58 070	...
Scrap	16 053	16 179	14 821	20 907	...

## Imports of Bauxite, Alumina and Aluminium

Country	1991	1992	1993	1994	1995
<b>Panama</b>					
Unwrought (a)	1 167	1 281	1 645	1 694	...
<b>USA</b>					
Bauxite, crude dried	11 174 990	11 111 732	11 638 115	10 700 000	10 100 000
Bauxite, calcined	298 000	346 000	237 000	349 000	482 000
Alumina	4 622 317	4 761 504	3 969 902	3 159 634	4 045 676
Unwrought	517 338	610 755	1 090 378	1 536 838	1 158 101
Unwrought alloys	510 797	553 049	755 615	959 033	8 217 726
Scrap	208 423	263 838	308 537	363 010	397 701
<b>Argentina</b>					
Bauxite	30 752	26 235	38 229	40 168	...
Alumina	347 544	248 171	293 426	330 666	...
Alumina hydrate	10 300	8 724	11 050	18 253	...
<b>Brazil</b>					
Bauxite	356 707	182 741	112	5 132	...
Alumina	662 845	728 543	851 259	683 300	...
Unwrought	1 028	180	3 860	1 685	(a) 15 200
Unwrought alloys	1 163	1 134	2 633	5 306	...
Scrap	4 440	1 154	770	975	...
<b>Chile</b>					
Bauxite	3 576	4 427	8 471	4 147	...
Unwrought	7 644	12 302	14 154	14 253	...
<b>Colombia</b>					
Bauxite	5 902	8 844	4 649	4 114	...
Alumina	4 891	7 050	6 438	8 610	...
Unwrought	12 658	17 450	16 972	16 682	...
Unwrought alloys	9 878	13 792	13 038	18 620	...
<b>Ecuador</b>					
Unwrought	4 453	2 193	4 766	...	...
<b>Peru</b>					
Bauxite	1 266	393	3 930	4 211	...
Alumina	646	...	1 885	1 690	...
Unwrought	3 408	*4 000	3 543	4 793	...
<b>Uruguay</b>					
Bauxite	3 990	4 106	2 800	1 124	...
Alumina	1 205	1 545	1 506	1 543	...
Unwrought	1 900	1 884	2 101	2 076	...
<b>Venezuela</b>					
Bauxite	3 082 470	1 460 760	1 657 613	26 792	...
Alumina	13 568	4 998	5 283	8 301	...
Alumina hydrate	1 600	1 456	570	...	...
Unwrought (a)	187	2 744	3 241	457	...
<b>Abu Dhabi</b>					
Scrap	6 461	11 375	7 979	...	...
<b>Bahrain</b>					
Alumina	404 931	538 000	943 653	...	...
<b>China</b>					
Bauxite	...	54 085	95 998	106 385	92 265
Alumina	686 178	800 697	972 328	1 909 584	...
Unwrought (a)	43 711	229 626	165 640	168 853	390 292
Scrap	6 149	44 578	61 307	109 336	360 520
<b>Dubai</b>					
Alumina	425 000	419 282	...	...	...
<b>Hong Kong</b>					
Bauxite	9 850	6 658	1 626	160	240
Alumina	60	25 479	34 604	33 382	23 341
Unwrought	58 666	(a) 125 773	(a) 129 099	(a) 147 913	362 054
Scrap	8 460	24 977	24 507	73 033	202 480
<b>India (c)</b>					
Alumina	3 890	4 663	3 772	8 453	...
Unwrought (a)	14 712	3 748	43 823	78 903	...
Scrap	828	1 849	22 063	20 482	...

## Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
Indonesia					
Alumina	225 280	291 763	377 018	362 408	...
Alumina hydrate	63 958	85 345	77 919	74 678	...
Unwrought	35 549	28 535	36 416	62 546	...
Unwrought alloys	20 089	19 724	31 354	38 072	...
Iran					
Alumina	32 000	45 000	43 000	...	...
Israel					
Alumina (f)	*900	*2 500	*1 300	*700	...
Unwrought (a)	...	22 704	29 330	41 268	...
Japan					
Bauxite	2 048 992	1 820 974	1 852 019	1 856 447	...
Alumina	33 489	20 182	30 279	42 117	...
Alumina hydrate	70 874	63 123	97 568	73 718	...
Unwrought	2 057 144	1 892 543	1 926 429	1 984 596	2 046 422
Unwrought alloys	773 874	648 570	677 923	654 810	756 309
Scrap	291 742	243 004	206 448	217 252	...
Jordan					
Alumina	31 498	23 620	12 913	...	...
Unwrought	4 799	2 997	6 886	7 086	...
Korea, Dem. P.R. of					
Alumina (f)	*12 100	*37 800	*60 100	...	...
Unwrought (a) (f)	*6 500	*7 300	*4 100	*2 700	...
Korea, Republic of					
Bauxite	37 396	42 908	58 058	63 312	...
Alumina	13 191	19 790	41 894	48 576	...
Alumina hydrate	120 263	137 142	335 765	177 451	...
Unwrought	300 104	297 813	418 456	503 432	610 691
Unwrought alloys	91 690	127 665	162 887	185 893	172 731
Scrap	57 805	53 957	32 306	35 490	52 362
Malaysia					
Alumina	19 867	19 240	19 665	3 516	...
Unwrought	28 326	32 449	281 494	164 350	...
Unwrought alloys	38 611	43 509	51 113	...	...
Scrap	3 045	2 727	4 145	...	...
Pakistan (d)					
Alumina	3 046	4 276	3 443	5 113	...
Unwrought (a)	4 553	12 286	14 131	11 599	...
Scrap	33 294	58 272	78 099	77 144	...
Philippines					
Bauxite	7 105	9 479	2 356	739	...
Alumina	8 478	6 897	8 661	6 748	...
Unwrought (a)	17 617	26 067	23 037	30 615	...
Saudi Arabia					
Bauxite	126 428	71 772	117 655	111 477	...
Unwrought (a)	16 196	59 909	6 036	50 405	...
Singapore					
Alumina	1 901	1 718	2 030	1 952	1 852
Alumina hydrate	76 948	85 957	60 557	45 879	67 903
Unwrought	55 067	86 093	110 042	120 453	198 713
Scrap	3 989	2 892	3 221	2 961	2 583
Taiwan					
Bauxite	45 321	48 092	48 599	61 832	83 727
Alumina	22 725	28 475	44 414	43 294	34 411
Alumina hydrate	28 254	38 683	32 073	41 159	45 648
Unwrought	214 008	203 991	231 111	291 623	339 043
Unwrought alloys	101 596	132 350	164 458	167 845	148 859
Scrap	128 649	110 110	113 868	168 744	137 859
Thailand					
Bauxite	32 076	32 929	37 168	30 029	...
Alumina	8 339	8 517	7 513	8 769	...
Alumina hydrate	9 051	18 087	27 852	31 046	...
Unwrought	83 911	81 403	96 288	91 507	(a) 253 900
Unwrought alloys	62 836	67 103	85 336	93 040	...
Scrap	709	869	2 619	1 190	...

## Imports of Bauxite, Alumina and Aluminium

tonnes

Country	1991	1992	1993	1994	1995
Australia					
Bauxite	20 000	29 000	21 000	12 000	17 000
Alumina	10 000	—	—	—	—
Unwrought (a)	2 400	5 000	4 700	2 000	8 000
Scrap (d)	2 752	2 901	6 549	...	...
New Zealand (d)					
Bauxite	6 744	2 328	3 159	2 561	...
Alumina	493 688	567 235	444 586	506 587	...
Unwrought (a)	5 839	1 790	2 888	5 064	11 694
Scrap	1 973	3 973	2 234	2 835	...

## 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) As from 1992 data is for Serbia and Montenegro only
  - (c) Years ended 31 March following that stated
  - (d) Years ended 30 June of that stated
  - (e) Years ended 20 March following that stated
  - (f) BGS estimates, based on known exports from certain countries
  - (g) Data for the Federal Republic of Yugoslavia only
  - (h) Excludes intra-CIS trade

## Mine Production of Antimony

tonnes (metal content)

Country	1991	1992	1993	1994	1995
Czechoslovakia	297	240	—	...	—
Czech Republic	—	—	—	—	—
Romania	*300	*400	—	—	—
Russia	—	*10 000	*6 000	*7 000	*7 000
Slovakia	—	—	*250	400	400
Soviet Union	*16 000	—	—	...	...
Turkey	288	258	104	*75	42
Yugoslavia (c)	*400	—	—	100	—
Morocco	157	184	168	—	...
South Africa	4 176	3 951	4 111	4 534	5 400
Zimbabwe	86	137	51	35	*35
Canada	469	948	673	643	789
Guatemala	557	323	90	296	665
Mexico	2 753	1 064	1 494	1 758	1 783
USA	*500	*500	*500	*500	*500
Bolivia	7 287	6 022	5 556	7 050	6 426
Peru (a)	278	339	219	385	230
China	58 300	59 400	60 000	82 400	*65 000
Kyrgyzstan	—	*2 000	*1 600	2 500	2 500
Pakistan	—	—	—	—	...
Tajikistan	—	*1 500	*1 200	1 000	*1 000
Thailand	60	269	622	477	522
Australia (b)	1 500	1 701	1 700	1 700	*1 700
World total	93 400	89 300	84 300	110 900	94 000

## 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  
(c) As from 1992 data is for Serbia and Montenegro only



## Exports of Antimony

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	273	305	135	238	66
Oxide (a)	*5 500	*5 400	*5 600	*5 300	...
Belgium-Luxembourg					
Oxide (a)	*3 400	*3 500	*3 100	*3 400	...
France					
Metal	206	97	277	288	...
Oxide	4 408	4 363	5 105	6 183	...
Germany, Federal Republic of					
Metal	144	53	72	90	59
Oxide	653	725	843	1 024	1 044
Italy					
Oxide	22	63	211	399	...
Netherlands					
Metal	—	—	183	312	...
Oxide	304	389	1 332	1 067	...
Spain					
Metal	2	—	459	131	...
Oxide	306	341	491	962	...
Sweden					
Ores & concentrates	36	75	712	2 902	...
Russia					
Metal (a)	—	*2 300	*2 600	*900	...
Oxide (a)	—	*200	*200	*200	...
Soviet Union					
Metal (a)	*2 000	—	—	—	—
Oxide (a)	*100	—	—	—	—
Turkey					
Metal	105	10	—	117	146
South Africa					
Ore (c)	96	90	0	60	...
Oxide (a)	*2 500	*2 100	*3 400	*2 800	...
Canada					
Ores & concentrates	81	893	1 497	1 307	1 547
Mexico					
Ores & concentrates	773	656	186	182	...
Metal	494	275	4 423	1 532	...
USA					
Ores & concentrates	715	48	...	...	...
Metal	806	1 052	365	1 543	1 715
Oxide	4 551	5 798	4 694	7 840	...
Bolivia					
Ore	6 029	2 224	1 422	5 565	3 068
Metal	458	*300	*450	626	374
Oxide	3 915	*6 600	5 439	6 283	5 609
China					
Ores & concentrates	5 087	4 518	2 652	420	...
Metal	29 373	33 322	36 249	53 862	...
Oxide	14 429	16 905	17 367	17 731	...
Sulphide	4 064	...	2 518	13 229	...
Hong Kong					
Metal (b)	...	19 046	24 930	14 454	14 103
Kyrgyzstan					
Metal (a)	—	...	...	*3 000	...
Oxide (a)	—	...	...	*200	...
Thailand					
Metal	1 263	1 470	1 408	3 035	...
Australia					
Ores & concentrates (d)	3 114	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

## Imports of Antimony

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ore (b)	*500	*200	*150	...	...
Metal	1 184	3 193	2 441	4 301	3 342
Oxide	2 154	1 897	1 637	1 680	1 804
Austria					
Metal	68	101	138	185	...
Oxide	193	220	195	237	...
Belgium-Luxembourg					
Ore	1 855	486	515	1 268	...
Metal	1 983	3 479	3 785	4 603	...
Oxide	654	956	797	1 189	...
Denmark					
Oxide	76	56	60	54	32
Finland					
Oxide	141	150	173	...	...
France					
Ore	7 183	2 631	19 025	8 663	...
Metal	3 768	4 494	7 517	11 194	...
Oxide	911	953	729	890	...
Germany, Federal Republic of					
Metal	3 426	1 286	804	1 151	1 150
Oxide	4 853	5 657	4 955	6 182	5 277
Italy					
Metal	1 405	1 308	1 105	1 196	...
Oxide	2 698	3 069	2 917	3 967	...
Netherlands					
Metal	72	31	578	360	...
Oxide	1 426	1 405	2 497	2 023	...
Portugal					
Metal	107	193	52	...	...
Spain					
Metal	959	924	1 058	1 528	...
Oxide	486	602	438	618	...
Sweden					
Metal	29	97	75	234	...
Oxide	502	446	426	424	...
Bulgaria					
Metal (b)	...	...	*100	*600	...
Croatia					
Metal	—	23	27	...	...
Norway					
Metal	40	13	9	21	10
Oxide	139	175	195	213	175
Poland					
Metal (b)	...	*2 800	*5 800	*4 800	...
Oxide (b)	...	...	*100	*750	...
Romania					
Metal (b)	...	...	*400	*2 700	...
Russia					
Metal (b)	—	*1 000	*10 400	*25 300	...
Switzerland					
Metal	67	86	16	7	29
Oxide	408	534	622	743	536
Ukraine					
Metal (b)	—	...	...	*280	...
Yugoslavia (e)					
Metal	(d) 10	16	...	...	...
South Africa					
Metal	210	246	282	608	292
Tunisia					
Metal	78	110	...	66	...
Canada					
Metal	110	149	209	354	424
Oxide	1 165	1 106	1 490	1 752	1 728

## Imports of Antimony

Country	1991	1992	1993	1994	1995
Mexico					
Metal	450	485	559	1 034	...
USA					
Ore	4 395	3 029	1 720	7 680	6 136
Metal	13 502	15 100	14 363	18 619	16 853
Oxide	14 347	17 085	19 322	21 300	18 600
Brazil					
Ore	131	...	...	...	...
Metal	511	481	657	470	...
Oxide	116	...	...	...	...
Sulphide	65	...	...	...	...
Colombia					
Metal	187	157	117	30	...
Venezuela					
Metal	35	85	49	...	...
China					
Ores & concentrates	—	—	1 986	4 382	...
Metal	84	2 667	2 686	3 314	...
Hong Kong					
Metal	...	21 278	23 446	13 819	...
India (a)					
Metal	907	682	1 244	1 325	...
Oxide	140	54	85	101	...
Indonesia					
Metal	216	298	363	324	...
Oxide	114	188	216	235	...
Japan					
Ores & concentrates	6 051	5 270	4 496	3 312	...
Metal	6 172	5 707	5 059	6 639	...
Oxide	8 645	8 623	9 490	10 258	...
Sulphide	219	274	251	378	...
Korea, Republic of					
Ores & concentrates	100	—	—	0	...
Metal	2 976	4 756	5 507	8 512	...
Oxide	958	690	711	1 015	...
Malaysia					
Metal	138	294	490	...	...
Pakistan (c)					
Metal	110	67	55	60	...
Taiwan					
Metal	2 443	1 866	1 957	2 469	3 094
Oxide	1 753	2 069	2 254	2 491	3 118
Thailand					
Ores & concentrates	2 665	2 238	1 897	896	...
Oxide	393	4 337	430	348	...
Australia					
Metal (c)	98	284	232	...	...
Oxide (c)	444	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

(d) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

**Production of White Arsenic**

tonnes

Country	1991	1992	1993	1994	1995
Belgium	*2 500	*2 000	*2 000	*2 000	*2 000
France	2 309	—	—	—	—
Germany, Federal Republic of	*300	*300	*300	*300	*300
Portugal	256	133	*150	*150	*100
Sweden	*2 500	—	—	...	...
Georgia	—	*1 500	*1 000	*500	*400
Russia	—	*3 000	*2 000	*2 000	*1 500
Soviet Union	*7 000	—	—	...	...
Ghana (d)	*500	*500	*500	*500	*500
Namibia (a)	1 804	2 300	2 290	2 775	1 661
Canada	236	*250	*250	*250	*250
Mexico (b)	6 497	5 667	5 870	5 861	4 777
Bolivia	463	633	663	341	362
Chile (c)	6 822	6 016	6 242	3 940	2 977
Peru	661	607	391	354	274
China	*10 000	*14 000	*13 000	*13 000	*13 000
Japan	*500	*50	*40	*40	*40
Kazakhstan	—	*2 000	*2 000	*1 500	*1 500
Philippines	*5 000	*5 000	*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
- (d) By product of gold ore processing. Excludes significant quantities of non-commercial grade material.

## Exports of Arsenic

Country	1991	1992	1993	1994	1995
United Kingdom					
Metallic arsenic	38	112	10	11	12
Belgium-Luxembourg					
Metallic arsenic	...	96	22	1	...
France					
Metallic arsenic	1 576	1 375	3 486	1 736	...
Germany, Federal Republic of					
Metallic arsenic	74	9	14	—	—
Italy					
Metallic arsenic	12	11	5	1	...
Netherlands					
Metallic arsenic	12	25	41	34	...
Namibia					
White arsenic	1 785	2 419	2 474	2 246	2 133
USA					
Metallic arsenic	261	106	364	79	430
Bolivia					
White arsenic	463	633	663	341	362
Chile					
White arsenic	6 822	6 016	6 242	3 940	2 977
China					
White arsenic (b)	*12 000	*13 400	*12 500	*15 400	*15 900
Metallic arsenic	(b) *1 200	1 760	1 882	3 466	...
Hong Kong					
White arsenic (a)	4 264	...	...	...	...
Korea, Republic of					
White arsenic	34	136	128	97	...

## Note(s):

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

(a) Re-exports

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

**Imports of Arsenic**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Metallic arsenic	268	89	268	120	62
Austria					
Metallic arsenic	17	22	14	21	...
Belgium-Luxembourg					
Metallic arsenic	93	95	97	90	...
France					
Metallic arsenic	289	374	85	94	...
Germany, Federal Republic of					
Metallic arsenic	68	92	...	8	19
Italy					
Metallic arsenic	164	129	166	82	...
Netherlands					
Metallic arsenic	—	—	58	75	...
Spain					
Metallic arsenic	35	100	58	104	...
Sweden					
Metallic arsenic	7	11	21	14	...
Norway					
Metallic arsenic	32	24	24	20	553
Turkey					
White arsenic	...	...	51	21	52
South Africa					
Metallic arsenic	44	...	...	...	...
USA					
White arsenic	27 142	30 672	27 514	26 800	29 000
Metallic arsenic	1 018	730	781	1 330	557
Brazil					
White arsenic	396	...	...	...	...
Uruguay					
White arsenic	42	—	...	...	...
Hong Kong					
White arsenic	4 676	...	...	...	...
India (b)					
White arsenic	504	690	220	897	...
Metallic arsenic	103	257	503	403	...
Indonesia					
White arsenic	160	139	140	134	...
Japan					
White arsenic	234	...	...	...	...
Metallic arsenic	336	12	40	28	...
Taiwan					
White arsenic	223	411	607	278	0
Thailand					
Metallic arsenic	20	26	38	2	...
Australia					
White arsenic (a)	962	1 066	1 062	...	...
New Zealand (a)					
Metallic arsenic	11	9	8	29	...

## 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	1991	1992	1993	1994	1995
Greece	4 788	28 592	56 948	55 502	*55 000
Bosnia & Herzegovina	—	*500	*500	*300	...
Bulgaria	400	500	*500	*500	*500
Russia	—	*1 500 000	866 677	*800 000	*800 000
Soviet Union	*2 000 000	—	—	—	—
Yugoslavia (f)	(d) 5 289	1 175	314	498	*300
Egypt (e)	450	375	603	514	...
South Africa					
Amosite	27 383	5 132	—	—	—
Crocidolite	31 551	24 476	11 614	6 273	7 396
Chrysotile	101 563	103 660	92 380	88 511	81 246
Swaziland					
Chrysotile	13 888	32 301	28 360	26 720	28 574
Zimbabwe					
Chrysotile	141 697	150 158	156 881	151 905	*150 000
Canada					
Chrysotile	639 008	590 641	517 000	524 000	530 000
USA (a)	20 061	15 573	13 704	10 100	*9 000
Argentina	270	215	309	319	251
Brazil	238 852	172 448	184 918	192 050	*208 700
Colombia (c)	164 825	170 221	*150 000	128 800	...
China	213 000	229 600	307 000	407 100	...
India					
Amphibole	24 094	43 788	44 100	28 900	*30 000
Iran (b)	*3 000	*4 300	*4 500	*4 500	*4 500
Japan					
Chrysotile	4 395	4 281	2 636	2 306	...
Kazakhstan	—	*400 000	*325 000	*300 000	*250 000
Korea, Republic of	—	2 308	2 200	*2 000	*1 800
World total	3 600 000	3 500 000	2 800 000	2 700 000	2 700 000

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 20 March following that stated

(c) Crude

(d) Excluding data from August to December for the Republic of Croatia

(e) Years ended 30 June of that stated

(f) As from 1992 data is for Serbia and Montenegro only

## Exports of Unmanufactured Asbestos

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	111	118	29	35	14
Austria	48	35	320	—	...
Belgium-Luxembourg	103	57	1 290	136	...
France	386	535	17	83	...
Germany, Federal Republic of	2 184	523	140	3	—
Greece	27 728	22 554	47 309	58 156	...
Italy	1 156	1 686	156	8	...
Spain	86	187	4	...	...
Hungary	(a) *2 300	...	...	110	...
Lithuania (a)	—	*2 900	...	*3 600	...
Poland	...	2 923	(a) *1 900	(a) *5 600	...
Romania (a)	...	...	...	*5 000	...
Russia	194 540	87 299	74 926	(a) *109 300	...
South Africa	147 504	131 109	110 080	92 099	87 976
Zimbabwe	138 838	128 811	...	...	...
Canada	686 053	600 577	510 386	529 897	509 575
USA	25 694	25 463	27 909	19 558	16 556
Brazil	67 765	67 428	76 062	75 631	71 746
China	612	2 303	3 049	3 402	...
India (b)	4	100	216	1 215	...
Japan	147	116	142	108	...
Kazakhstan (a)	—	*9 200	*4 700	*9 700	...
Kyrgyzstan (a)	—	...	*500	*1 700	...
Saudi Arabia	47	5 092	...	4 515	...
Singapore	700	387	405	10	125
of which: Re-exports	692	365	404	6	102

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

(b) Years ended 31 March following that stated



## Imports of Unmanufactured Asbestos

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	11 248	10 269	9 681	11 467	10 164
Austria	1 613	3 836	751	0	...
Belgium-Luxembourg	24 601	13 364	9 575	13 359	...
Denmark	802	671	544	450	345
France	67 373	35 860	34 599	34 869	...
Germany, Federal Republic of	4 431	2 717	708	163	98
Greece	2 417	4 895	552	215	...
Irish Republic	4 590	3 841	4 463	...	6 355
Italy	58 906	36 205	17 036	61	...
Netherlands	6 263	2 663	385	—	...
Portugal	10 550	11 278	7 426	7 009	...
Spain	37 112	25 428	23 352	32 593	...
Sweden	420	462	298	315	...
Croatia	—	4 002	3 783	...	...
Czechoslovakia	16 974	...	—	—	...
Hungary	...	6 777	5 264	5 995	...
Poland	658	34 432	...	33 474	...
Romania	21 866	6	20 753	18 799	24 896
Slovakia	—	—	1 898	...	...
Slovenia	—	5 489	4 984	...	...
Switzerland	576	645	386	75	—
Turkey	31 392	25 072	21 622	19 143	25 471
Yugoslavia (f)	(c) 2 091	1 454	(d) *3 500	(d) *2 800	...
Algeria	15 726	12 247	...	...	...
Burundi	382	279	...	...	...
Egypt	9 566	13 435	5 899	6 995	...
Morocco	7 411	5 310	4 800	4 751	...
Senegal	509	527	...	...	...
South Africa	14 934	9 699	8 984	9 734	7 891
Tunisia	6 695	8 925	8 779	6 490	...
Zambia	29 022	...	...	...	...
Canada	867	1 230	854	960	297
Cuba (d)	...	...	...	...	*3 000
El Salvador	121	3 541	268	1 297	...
Mexico	50 401	32 849	25 499	35 254	...
Panama	279	700	491	1 268	...
USA					
Crocidolite	282	472	18	242	192
Chrysotile	28 807	26 844	27 721	23 116	19 766
Other unmanufactured	5 676	4 286	3 101	2 440	2 010
Argentina	8 984	7 988	9 049	7 879	...
Bolivia	1 691	1 570	1 526	1 008	...
Brazil	12 476	15 837	34 590	32 805	...
Chile	9 567	13 364	10 406	10 151	11 666
Colombia	14 867	19 771	26 811	17 749	...
Ecuador	515	648	542	...	...
Peru	3 079	...	2 701	3 537	...
Uruguay	855	905	1 499	1 075	...
Venezuela	3 196	978	3 035	1 871	...
China	2 249	5 067	27 998	48 255	...
India (e)	77 773	49 999	73 861	85 536	...
Indonesia	32 213	30 604	39 124	43 610	...
Iran (a)	34 038	39 588	46 321	...	...
Israel	3 510	3 867	2 715	1 780	...
Japan	272 088	242 279	209 846	199 836	...
Korea, Republic of	88 753	95 476	82 854	83 276	...
Kuwait	500	1 000	...	...	...
Malaysia	27 798	25 964	21 220	22 029	...
Pakistan (b)	12 141	6 723	6 885	8 216	...
Philippines	2 070	1 956	2 108	2 807	...
Saudi Arabia	1 599	2 293	3 618	1 687	...
Singapore	2 035	1 525	1 356	577	475
Sri Lanka	1 126	6 498	7 116	35 570	...

**Imports of Unmanufactured Asbestos**

tonnes

Country	1991	1992	1993	1994	1995
Syria	...	3 997	...	...	...
Taiwan	8 080	10 075	5 003	5 517	5 582
Thailand	271 011	128 126	148 164	163 927	...
Australia (b)	1 342	1 533	2 198	...	...

- (a) Years ended 20 March following that stated
- (b) Years ended 30 June of that stated
- (c) Data for the Federal Republic of Yugoslavia only
- (d) BGS estimates, based on known exports from certain countries
- (e) Years ended 31 March following that stated
- (f) As from 1992 data is for Serbia and Montenegro only

## Production of Barytes

Country	1991	1992	1993	1994	1995
United Kingdom	85 505	76 723	*55 000	*54 000	*85 000
Belgium	*35 000	*30 000	*30 000	*30 000	*30 000
France	90 000	96 000	67 200	72 100	75 400
Germany, Federal Republic of	147 219	154 873	147 614	145 223	*125 000
Greece	546	812	988	701	...
Irish Republic	94 300	70 600	53 000	—	—
Italy	86 542	80 709	52 000	62 000	38 000
Spain	*9 000	*10 000	*6 000	*5 000	...
Bosnia & Herzegovina	—	*3 000	*2 000	*1 000	...
Bulgaria	*180 000	*150 000	*140 000	...	...
Croatia	—	*1 500	*1 500	*1 000	...
Czechoslovakia	*85 000	31 313	—	—	—
Georgia	—	*40 000	*30 000	*20 000	...
Poland	16 200	10 900	8 500	9 100	6 100
Romania	*70 000	118 100	*115 000	104 700	*100 000
Slovakia	—	—	*30 000	*25 000	...
Soviet Union	*450 000	—	—	...	...
Turkey	248 911	264 300	118 367	57 429	153 719
Yugoslavia (f)	(a) *30 000	—	—	—	—
Algeria	44 361	51 159	47 232	20 584	29 838
Egypt	5 943	7 841	1 125	419	...
Morocco	434 660	401 599	349 613	229 587	271 018
South Africa	4 790	3 570	2 000	1 945	6 048
Tunisia	48 000	29 000	15 100	15 400	8 100
Zimbabwe	866	232	120	—	...
Canada	50 000	37 000	39 000	61 000	74 000
Guatemala	...	328	4 742	3 590	570
Mexico	203 975	443 782	135 891	86 605	149 740
USA (b)	448 000	326 000	315 000	583 000	*600 000
Argentina	23 896	10 015	14 761	27 952	27 043
Brazil (d)	46 784	54 490	32 068	31 449	30 750
Chile	3 153	2 514	2 035	3 670	3 080
Colombia	9 288	9 380	4 840	*7 000	...
Peru (e)	...	...	14 747	38 934	...
Afghanistan (c)	*2 000	*2 000	*2 000	*2 000	...
China	*1 500 000	*1 100 000	948 000	633 000	...
India	615 000	*458 000	597 676	483 791	*400 000
Iran (c)	191 238	181 174	226 379	225 000	139 202
Japan	18 944	15 119	11 532	—	...
Kazakhstan	—	*200 000	*200 000	*150 000	*150 000
Korea, Republic of	1 014	40	*50	*50	...
Malaysia	16 600	10 525	11 551	17 144	16 966
Myanmar	11 339	13 589	15 628	21 969	*30 000
Pakistan	28 751	32 432	26 336	68 350	...
Philippines	*500	*500	*500	*500	...
Thailand	113 534	46 328	42 385	49 248	*60 000
Australia	*20 000	*20 000	*20 000	*20 000	...
World total	5 500 000	4 600 000	3 900 000	3 500 000	3 600 000

## 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) Excluding data from August to December for the Republic of Croatia  
(b) Sold or used by producers  
(c) Years ended 20 March following that stated  
(d) Including beneficiated and directly shipped material  
(e) Exports  
(f) As from 1992 data is for Serbia and Montenegro only

## Barytes

## Exports of Barytes

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	9 057	5 570	13 459	10 780	9 127
Belgium-Luxembourg	49 621	43 083	22 518	36 073	...
Germany, Federal Republic of	37 353	31 999	16 080	17 936	15 255
Irish Republic	95 927	54 805	35 013	28 468	—
Italy	8 599	4 070	2 121	1 943	...
Netherlands	87 869	78 364	52 908	78 532	...
Spain	2 705	4 338	7 468	14 030	...
Czechoslovakia (b)	*9 800	...	—	—	—
Norway	8 047	3 992	3 274	308	1 811
Turkey	116 156	42 054	50 873	63 508	103 176
Morocco	444 939	334 172	...	...	...
Tunisia	20 407	24 057	...	11 840	...
Canada	12 080	17 253	11 058	13 063	12 267
Mexico	35 197	19 898	68 264	89 803	...
USA	43 687	12 566	18 928	20 731	15 919
Bolivia	1 363	368	—	3 307	10 845
Brazil	6 368	36	37	92	...
Peru	...	...	14 747	38 934	...
China	1 124 746	626 016	843 486	1 166 311	...
Hong Kong (c)	1 967	3 232	4 412	3 585	4 288
India (a)	392 070	38 129	50 337	244 642	...
Indonesia	1 902	7 345	4 907	1 580	...
Malaysia	278	11	94	...	...
Singapore	19 033	12 008	6 214	11 076	16 054
of which: Re-exports	8 679	9 381	3 094	5 851	10 815
Thailand	44 542	39 103	37 661	38 610	...
Australia (d)	275	1 324	184	...	...

## 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) BGS estimates, based on known imports into certain countries

(c) Re-exports

(d) Years ended 30 June of that stated

## Imports of Barytes

Country	1991	1992	1993	1994	1995
United Kingdom	183 430	169 319	158 783	135 467	110 504
Austria	3 251	4 746	2 048	3 255	...
Belgium-Luxembourg	10 080	13 025	13 659	10 821	...
Denmark	29 920	26 773	5 196	1 145	1 553
Finland	1 407	1 667	1 363	...	...
France	53 855	18 740	31 405	26 571	...
Germany, Federal Republic of	169 577	200 656	96 066	185 613	222 878
Greece	1 432	537	3 242	...	...
Irish Republic	1 430	1 551	801	702	548
Italy	58 242	55 255	32 564	31 821	...
Netherlands	94 482	81 754	109 612	74 488	...
Portugal	2 704	1 562	897	...	...
Spain	24 706	17 062	12 790	21 126	...
Sweden	3 215	4 503	4 061	4 935	...
Albania (b)	*6 500	...	*7 000	...	...
Croatia	—	4 516	76	...	...
Czech Republic	—	—	31 752	30 596	39 964
Hungary	...	4 706	2 576	2 517	...
Norway	216 697	104 044	129 235	102 829	108 669
Poland	10 234	.....	(b) *1 500	...	...
Romania	31 942	62 303	20 444	21 720	20 020
Soviet Union (b)	*119 700	—	—	—	—
Switzerland	1 289	2 318	1 674	2 727	2 263
South Africa	1 280	1 253	2 892	...	2 198
Canada	12 493	11 908	15 015	14 780	16 667
Mexico	85 601	15 462	54 517	30 672	...
Trinidad & Tobago	31 856	...	8 491	...	...
USA	858 908	353 682	803 929	1 074 319	1 043 138
Argentina	928	812	307	3 239	...
Colombia	5 125	30 315	12 856	20 901	...
Ecuador	95	601	2 304	...	...
Venezuela	134 665	123 160	123 476	...	...
Abu Dhabi	46 389	34 965	41 651	...	...
Hong Kong	1 939	2 314	1 901	2 801	1 186
Indonesia	67 580	41 396	41 984	57 083	...
Japan	106 038	92 692	116 327	85 124	...
Korea, Republic of	39 104	40 557	39 758	54 013	...
Malaysia	1 392	1 485	2 773	...	...
Philippines	846	1 209	1 609	4 218	...
Saudi Arabia	3 519	28 288	2 122	670	...
Singapore	30 998	20 855	17 928	14 190	23 932
Syria	...	15 530	...	...	...
Taiwan	5 832	11 438	6 899	8 170	9 847
Thailand	4 136	10 152	6 912	7 291	...
Australia (a)	12 832	3 720	14 705	...	...
New Zealand (a)	957	2 236	902	845	...

## 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	1991	1992	1993	1994	1995
United Kingdom					
Fuller's earth (a)	188 800	189 400	187 100	133 500	*133 000
France					
Bentonite	*10 000	6 000	7 000	—	—
Germany, Federal Republic of					
Bentonite	224 000	257 000	245 000	227 000	...
Fuller's earth	708 000	673 000	670 000	*650 000	...
Greece					
Bentonite	600 286	600 083	677 578	697 773	*850 000
Italy					
Bentonite	402 478	150 503	326 992	374 491	590 845
Fuller's earth	23 400	30 000	*30 000	*30 000	...
Spain					
Bentonite	*145 000	*150 000	*150 000	*150 000	...
Attapulgite	*72 900	*87 300	*85 000	*85 000	...
Sepiolite	*400 000	*400 000	*400 000	*375 000	...
Bosnia & Herzegovina					
Bentonite	—	*1 000	*800	*1 000	...
Croatia					
Bentonite	—	*10 000	*10 000	*10 000	...
Czechoslovakia					
Bentonite	84 918	...	—	—	—
Czech Republic					
Bentonite	—	—	63 000	65 000	54 000
Hungary					
Bentonite	18 000	23 000	9 400	14 700	18 000
Macedonia					
Bentonite	—	*40 000	*35 000	*30 000	...
Poland					
Bentonite	34 662	17 654	37 000	*40 000	...
Romania					
Bentonite	*150 000	*120 000	*120 000	*110 000	...
Slovakia					
Bentonite	—	—	*25 000	*25 000	...
Soviet Union (k)					
Bentonite	*2 400 000	*2 000 000	*1 600 000	*1 300 000	...
Turkey					
Bentonite	123 928	439 126	456 597	516 187	634 738
Yugoslavia (j)					
Bentonite	(d) *75 000	*5 000	*5 000	*5 000	...
Algeria					
Bentonite	25 806	31 019	20 833	20 215	17 088
Fuller's earth	4 526	3 656	3 229	*3 250	...
Egypt (e)					
Bentonite	5 916	4 185	6 013	2 379	...
Morocco					
Bentonite	7 000	7 273	10 811	24 919	29 308
Fuller's earth (f)	37 552	38 098	38 700	*22 800	...
Senegal					
Attapulgite	99 377	148 000	119 409	*112 000	...
South Africa					
Bentonite	64 600	43 977	50 441	71 773	70 927
Attapulgite	8 109	8 235	7 032	10 090	8 049
Canada					
Bentonite (i)	1 000	4 900	10 500	13 900	...
Guatemala					
Bentonite	12 000	7 002	4 198	4 410	5 839
Mexico					
Bentonite	145 347	135 993	94 584	92 476	92 432
Fuller's earth	41 078	41 111	36 068	21 377	...
Nicaragua					
Bentonite	2 055	1 270	980	694	...
USA					
Bentonite (c)	3 431 601	2 954 154	2 870 000	3 290 000	*3 540 000
Fuller's earth (c)	2 740 346	2 413 453	2 483 821	2 640 000	*2 500 000

## Production of Bentonite and Fuller's Earth

tonnes

Country	1991	1992	1993	1994	1995
Argentina					
Bentonite	107 782	97 531	96 706	117 095	113 760
Fuller's earth	*2 000	*1 500	*1 600	*1 600	...
Brazil					
Bentonite	140 051	197 385	164 452	160 530	154 281
Colombia					
Bentonite	3 178	3 258	...	1 018	900
Peru					
Bentonite	*55 300	*14 500	10 250	27 682	...
Cyprus					
Bentonite	58 400	58 840	60 000	50 000	51 000
India (h)					
Bentonite	291 000	296 000	230 000	230 000	313 000
Fuller's earth	31 000	38 000	87 000	88 000	54 000
Indonesia					
Bentonite	21 512	17 960	13 707	*14 000	...
Iran (g)					
Bentonite	40 452	62 000	53 667	71 759	32 000
Japan					
Bentonite	554 145	534 445	515 307	*484 000	...
Korea, Republic of					
Bentonite	35 100	37 100	46 000	...	...
Pakistan					
Bentonite	5 106	*6 000	7 991	*8 000	...
Fuller's earth	22 075	22 042	20 900	*21 000	...
Philippines					
Bentonite	42 066	31 896	5 050	*25 000	...
Thailand					
Bentonite	2 512	8 010	2 780	5 125	...
Australia					
Bentonite (e)	*58 000	*60 300	*66 000	*70 000	...
Fuller's earth	*15 000	*15 000	*15 000	*15 000	...
New Zealand					
Bentonite	—	—	1 613	930	...
World total Bentonite	9 380 000	8 520 000	8 110 000	8 400 000	8 900 000
World total Fuller's earth (b)	4 390 000	4 110 000	4 180 000	4 210 000	4 030 000

## 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) Excluding data from August to December for the Republic of Croatia
- (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
- (j) As from 1992 data is for Serbia and Montenegro only
- (k) Dissolved in December 1991. Other than data for Armenia, Georgia and Turkmenistan, no information is available on which to estimate for other countries

**Exports of Bentonite and Fuller's Earth**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Bentonite	52 093	55 539	57 860	64 497	74 120
Fuller's earth	27 794	32 029	28 996	27 549	21 227
Austria					
Bentonite	1 132	2 136	2 007	2 236	...
Belgium-Luxembourg					
Bentonite	12 461	4 324	563	975	...
Fuller's earth	1 819	678	477	9	...
France					
Bentonite	20 517	18 201	16 524	21 405	...
Fuller's earth	3 803	4 046	2 236	1 893	...
Germany, Federal Republic of					
Bentonite	63 502	88 375	59 661	61 070	40 947
Fuller's earth	369	533	1 307	441	507
Greece					
Bentonite	100 938	111 980	53 864	...	...
Italy					
Bentonite	38 880	19 997	16 278	96 936	...
Netherlands					
Bentonite	35 805	42 822	44 518	65 538	...
Fuller's earth	1 140	3 192	1 166	5 568	...
Spain					
Bentonite	45 527	60 582	6 793	4 650	...
Sepiolite	541 328	530 567	...	...	...
Fuller's earth	7 429	7 746	7 380	10 412	...
Bulgaria					
Bentonite (c)	*8 500	*15 100	*21 900	*41 200	...
Czechoslovakia					
Bentonite (c)	*9 100	*9 500	—	—	—
Czech Republic					
Bentonite	—	—	13 976	19 317	18 048
Hungary					
Bentonite	...	950	3 597	1 653	...
Turkey					
Bentonite	29 808	22 915	28 038	53 692	50 935
Yugoslavia (h)					
Bentonite	(e) 229	...	...	...	...
Morocco					
Bentonite	4 000	4 000	...	...	...
Fuller's earth (a)	58 074	...	...	...	...
Senegal					
Fuller's earth (b)	11 104	11 062	...	...	...
Canada					
Bentonite	1 139	1 605	949	929	1 605
Mexico					
Bentonite	2 410	3 261	3 794	3 408	...
USA					
Bentonite	661 921	606 824	606 440	768 379	734 745
Fuller's earth	27 488	27 709	63 000	74 000	...
Argentina					
Bentonite	13 248	15 369	21 100	22 037	...
Colombia					
Bentonite	1 115	1 428	1 534	1 019	900
China					
Bentonite	(c) *24 300	43 488	40 717	55 360	...
Fuller's earth	(c) *2 000	1 005	729	17 897	...
Cyprus					
Bentonite	12 088	18 768	29 756	22 573	14 127
India (d)					
Bentonite	76 857	112 543	129 960	147 005	...
Fuller's earth	357	68	94	128	...



tonnes

## Exports of Bentonite and Fuller's Earth

Country	1991	1992	1993	1994	1995
Indonesia					
Bentonite	14 453	14 288	8 016	7 005	...
Fuller's earth	850	1 878	2 423	1 514	...
Japan					
Bentonite	885	965	1 589	1 075	...
Korea, Republic of					
Bentonite	5 660	5 184	6 625	10 203	...
Singapore					
Bentonite	21 503	16 262	14 775	16 943	18 148
of which: Re-exports	15 275	11 368	9 357	9 210	10 803
Fuller's earth (f)	4 556	1 863	50	33	2
Australia					
Bentonite (g)	8 609	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) Smectite
  - (b) Attapulgite
  - (c) BGS estimates, based on known imports into certain countries
  - (d) Years ended 31 March following that stated
  - (e) Data for the Federal Republic of Yugoslavia only
  - (f) Re-exports
  - (g) Years ended 30 June of that stated
  - (h) As from 1992 data is for Serbia and Montenegro only

## Imports of Bentonite and Fuller's Earth

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Bentonite	137 444	134 444	114 247	186 483	206 019
Fuller's earth	6 379	4 921	18 420	39 110	6 150
Austria					
Bentonite	20 662	30 822	22 178	34 165	...
Fuller's earth	627	728	845	184	...
Belgium-Luxembourg					
Bentonite	24 040	23 763	10 064	11 551	...
Fuller's earth	884	1 846	1 323	689	...
Denmark					
Bentonite	13 214	14 580	18 331	24 968	19 077
Fuller's earth	3 069	1 500	3 089	1 024	551
Finland					
Bentonite	7 583	6 273	8 808	...	...
France					
Bentonite	117 588	104 262	68 397	112 530	...
Fuller's earth	2 744	958	1 628	5 332	...
Germany, Federal Republic of					
Bentonite	231 644	291 128	185 056	204 678	244 967
Fuller's earth	12 657	18 333	28 118	32 750	29 840
Greece					
Bentonite	315	377	759	...	...
Italy					
Bentonite	76 651	77 254	53 677	66 920	...
Fuller's earth	7 926	6 430	7 744	8 993	...
Netherlands					
Bentonite	73 327	144 735	142 800	137 777	...
Fuller's earth	5 053	5 650	7 505	5 788	...
Portugal					
Bentonite	9 736	9 668	8 625	...	...
Spain					
Bentonite	34 064	20 260	40 584	61 262	...
Fuller's earth	607	93	0	633	...
Sweden					
Bentonite	10 576	10 656	8 284	18 269	...
Fuller's earth	6 717	5 994	10 212	3 281	...
Croatia					
Bentonite	—	1 930	760	...	...
Czech Republic					
Bentonite	—	—	4 308	3 329	3 065
Norway					
Bentonite	16 525	9 660	35 543	18 484	28 440
Fuller's earth	649	550	108	65	93
Poland					
Bentonite (b)	*6 400	*8 400	*8 500	*9 800	...
Switzerland					
Bentonite	14 692	18 524	19 486	19 416	20 971
Fuller's earth	1 507	1 987	1 793	1 845	1 812
South Africa					
Bentonite	942	1 040	930	1 857	6 841
Tunisia					
Bentonite	1 513	3 799	...	3 280	...
Canada					
Bentonite	268 612	255 810	295 356	329 639	343 826
Fuller's earth	6 138	7 576	8 622	9 266	10 169
Mexico					
Bentonite	4 970	4 357	9 250	8 270	...
USA					
Bentonite	2 207	2 527	1 994	2 052	3 105
Fuller's earth	82	160	101	1 440	...
Brazil					
Bentonite	26 676	18 206	34 585	26 092	...
Chile					
Bentonite	5 337	8 007	5 853	6 001	6 587

## Imports of Bentonite and Fuller's Earth

tonnes

Country	1991	1992	1993	1994	1995
Colombia					
Bentonite	10 216	1 461	3 286	5 568	...
Peru					
Bentonite	383	...	501	1 192	...
Uruguay					
Bentonite	479	388	310	757	...
Venezuela					
Bentonite	13 244	14 596	17 213	...	...
Hong Kong					
Bentonite	...	10 241	5 722	11 290	17 784
Indonesia					
Bentonite	12 518	9 951	14 409	15 395	...
Japan					
Bentonite	236 906	169 560	192 543	209 306	...
Fuller's earth	8 243	8 233	8 280	7 058	...
Korea, Republic of					
Bentonite	15 102	17 238	21 461	15 203	...
Malaysia					
Bentonite	53 361	80 442	71 250	...	...
Fuller's earth	7 424	8 250	15 878	...	...
Pakistan (a)	4 783	3 456	728	5 611	...
Philippines	6 206	8 962	11 233	21 938	...
Singapore					
Bentonite	31 113	34 998	24 411	30 552	17 395
Fuller's earth	4 744	1 432	891	218	232
Taiwan					
Bentonite	34 227	35 436	37 955	40 846	36 741
Thailand					
Bentonite	22 407	31 779	31 486	38 303	...
Fuller's earth	620	1 781	3 083	2 526	...
Australia					
Bentonite (a)	28 348	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  
(b) BGS estimates, based on known exports from certain countries

## Bismuth

## Mine Production of Bismuth

tonnes (metal content)

Country	1991	1992	1993	1994	1995
Italy	45	20	—	—	—
Romania	*55	*50	*40	*40	*40
Soviet Union	*70	—	—	—	—
Yugoslavia (c)	(b) 22	10	5	5	...
Canada	65	224	144	152	149
Mexico	651	807	908	1 047	994
USA	*100	*100	*100	*100	*100
Peru (a)	*610	*550	*1 000	*1 000	*1 000
China	1 040	820	1 052	850	850
Japan	461	530	497	505	591
Kazakhstan	—	*55	*50	117	135
Korea, Republic of	42	7	5	—	...
Tajikistan	—	*20	*15	*10	...
Uzbekistan	—	*15	*10	*10	...
Australia	*400	*400	*400	*400	*400
World total	3 600	3 600	4 200	4 200	4 300

## 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, Belgium, Brazil, Bulgaria, former German Democratic Republic and Namibia are believed to produce bismuth

- (a) Including Bi content of bullion and concentrates exported
- (b) Excluding data from August to December for the Republic of Croatia
- (c) As from 1992 data is for Serbia and Montenegro only

## Exports of Bismuth

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	473	574	665	727	744
Belgium-Luxembourg					
Compounds	52	136	417	46	...
France					
Compounds	86	160	80	34	...
Metal	18	33	18	61	...
Germany, Federal Republic of					
Compounds	39	70	99	33	50
Metal	107	150	247	359	264
Netherlands					
Metal	2	8	50	105	...
Spain					
Compounds	30	14	50	76	...
Canada					
Metal	49	41	43	165	220
Mexico					
Metal	1 567	1 783	720	1 008	...
USA					
Metal	77	101	75	175	267
China					
Metal	961	1 259	2 020	5 806	...
Hong Kong					
Metal (a)	...	130	305	118	187
Japan					
Metal	13	21	35	4	...
Korea, Republic of					
Metal	90	49	41	102	...
Australia					
Metal (b)	41	—	—	...	...

## Note(s):

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

(a) Re-exports

(b) Years ended 30 June of that stated

## Bismuth

**Imports of Bismuth**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	572	695	1 128	449	551
France					
Compounds	1	3	141	19	...
Metal	311	307	329	332	...
Germany, Federal Republic of					
Compounds	4	93	420	455	625
Metal	847	912	864	534	647
Italy					
Compounds	9	31	2	3	...
Metal	107	88	92	147	...
Netherlands					
Compounds	136	242	102	157	...
Metal	26	30	207	73	...
Spain					
Metal	55	97	78	235	...
Sweden					
Metal	13	13	15	23	...
Switzerland					
Metal	11	7	10	11	15
USA					
Metal	1 410	1 621	1 335	1 662	2 201
Brazil					
Metal	57	65	51	82	...
Hong Kong					
Metal	...	271	336	873	390
India (a)					
Metal	13	36	42	89	...
Japan					
Metal	181	74	41	281	...

Note(s):

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

(a) Years ended 31 March following that stated

## Production of Bromine

Country	1991	1992	1993	1994	1995
United Kingdom	29 323 000	29 903 000	27 423 000	33 800 000	26 200 000
France	3 200 000	3 200 000	2 290 000	2 190 000	2 260 000
Germany, Federal Republic of	*1 500 000	*750 000	*750 000	*750 000	*750 000
Italy	*400 000	*300 000	*300 000	*300 000	*300 000
Spain	*300 000	*250 000	*200 000	*200 000	*200 000
Azerbaijan	—	*5 000 000	*5 000 000	*3 000 000	*2 000 000
Soviet Union	*24 000 000	—	—	—	—
Ukraine	—	*7 000 000	*7 000 000	*4 000 000	*3 500 000
USA (a)	170 000 000	171 000 000	177 000 000	195 000 000	218 000 000
India	2 047 000	2 039 000	2 320 000	2 248 250	*2 500 000
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
World total	380 800 000	381 400 000	382 300 000	399 500 000	412 700 000

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

## Bromine

**Exports of Bromine**

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom	4 386 570	2 765 540	2 756 829	2 703 138	4 537 029
Belgium-Luxembourg	17 800	—	225 300	442 000	...
Germany, Federal Republic of	132 400	95 200	338 900	125 400	4 500
Italy	500	17 000	9 600	25 600	...
Netherlands	550 000	457 000	797 000	791 000	...
Russia (a)	—	*79 700	*44 500	*41 200	...
Ukraine (a)	—	—	*420 200	*68 000	...
Yugoslavia (a) (b)	—	...	...	*11 300	...
USA	5 685 761	5 455 675	6 013 000	6 470 000	3 220 000
Israel	44 673 000	(a) *28 977 000	(a) *21 388 000	(a) *23 955 000	...

## Note(s):

(1) In general, trade in bromine and bromine compounds is not separately distinguished from other halogens and has therefore not been included in this table

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

(b) As from 1992 data are for Serbia and Montenegro only



## Imports of Bromine

Country	1991	1992	1993	1994	1995
United Kingdom	7 424 357	7 935 040	5 826 164	4 855 387	5 253 244
Belgium-Luxembourg	1 528 100	2 079 000	2 473 900	2 602 900	...
Denmark	13 100	400	—	400	400
France	7 626 000	6 722 000	4 888 000	6 929 800	...
Germany, Federal Republic of	4 434 000	3 080 800	3 710 400	3 719 000	3 328 200
Irish Republic	298 741	152 553	—	—	—
Italy	474 300	377 200	455 700	805 800	...
Netherlands	8 622 000	10 269 000	6 735 000	19 168 000	...
Spain	58 000	74 000	124 000	...	...
Hungary	...	...	10 000	12 400	...
South Africa	12 908	...	...	...	...
Canada	1 386 971	1 328 473	1 562 099	1 652 167	1 426 681
Mexico	(c) *190 000	(c) *220 000	(d) 211 340	(d) 130 209	...
USA	145 638	855 223	850 446	330 296	2 221 619
Brazil	45 368	...	...	...	...
Peru	177	...	...	...	...
China	...	...	647 824	445 568	...
India (a)	203 696	844 595	1 176 192	756 200	...
Israel (c)	*7 000	—	*17 800	...	...
Korea, Republic of	471 900	914 279	940 877	902 281	...
Pakistan (b)	330	5 629	12 491	9 000	...
Taiwan	112 647	88 843	141 779	53 172	141 840

## Note(s):

(1) In general, trade in bromine and bromine compounds is not separately distinguished from other halogens and has therefore not been included in this table

(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	1991	1992	1993	1994	1995
United Kingdom	449	383	458	469	549
Belgium	1 807	1 560	1 572	1 556	1 710
Finland	471	580	332	580	540
France (a)	1 100	830	585	470	670
Germany, Federal Republic of (a)	1 048	941	1 056	1 145	1 145
Italy	658	742	517	475	308
Netherlands	539	612	526	307	*300
Spain	344	361	365	387	*400
Bulgaria	232	194	266	286	280
Macedonia	—	230	249	73	74
Norway	237	249	213	288	296
Poland	364	132	149	149	*150
Russia	—	*800	742	582	670
Soviet Union	*1 500	—	—	—	—
Turkey	22	23	31	22	36
Yugoslavia (c)	*300	8	17	—	11
Algeria	78	56	65	59	*60
Namibia	67	29	13	19	15
Zaire	123	84	12	—	—
Canada (a)	1 829	1 963	1 888	2 173	2 360
Mexico (b)	1 126	1 146	1 332	1 146	1 179
USA (a)	1 676	1 620	1 094	1 011	1 266
Argentina	49	37	49	27	43
Brazil	*140	135	*135	162	*160
Peru	526	399	472	507	560
China	1 222	1 138	1 161	1 282	1 296
India	274	311	270	230	254
Japan	2 889	2 986	2 832	2 614	2 652
Kazakhstan	—	*1 000	*1 200	995	1 000
Korea, Dem. P.R. of	*200	*200	*200	*200	*200
Korea, Republic of	395	789	719	905	908
Thailand	373	635	449	*400	*400
Uzbekistan	—	...	...	100	100
Australia	1 076	1 001	951	910	842
World total	21 100	21 200	19 900	19 500	20 400

Note(s):

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

(a) Including cadmium sponge and/or secondary metal

(b) Including oxides

(c) As from 1992 data is for Serbia and Montenegro only

**Exports of Cadmium**

Country	1991	1992	1993	1994	1995
United Kingdom	210	308	134	220	252
Belgium-Luxembourg					
Metal	1 390	1 445	2 321	1 585	...
Sulphide	49	30	22	53	...
Finland	407	586	706	...	...
France	721	841	444	159	...
Germany, Federal Republic of	638	758	794	2 022	766
Italy	686	584	566	583	...
Netherlands	513	436	594	2 040	...
Spain	318	...	381	301	...
Bulgaria (b)	*190	*250	*140	*10	...
Norway	232	186	356	346	169
Poland	229	15	1	12	...
Namibia	69	38	10	31	33
Canada	1 452	1 581	1 857	1 904	2 463
Mexico	521	590	808	617	...
USA	460	213	39	1 469	1 095
China	475	125	0	3 479	...
Hong Kong (c)	...	323	392	248	691
Japan	13	30	80	15	...
Kazakhstan (b)	—	...	...	*240	...
Korea, Republic of	669	804	461	1 198	...
Australia (a)	701	1 076	958	...	...

(a) Years ended 30 June of that stated

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

(c) Re-exports

## Cadmium

**Imports of Cadmium**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	696	828	416	872	130
Belgium-Luxembourg					
Metal	2 221	2 188	4 959	2 973	...
Sulphide	45	174	22	51	...
Finland	0	13	230	...	...
France					
Metal	1 546	1 293	995	1 290	...
Sulphide	41	49	36	32	...
Germany, Federal Republic of					
Metal	482	613	454	395	267
Italy					
Metal	70	88	31	62	...
Sulphide	8	50	6	9	...
Netherlands					
Metal	5	—	206	332	...
Sulphide	28	49	—	—	...
Spain	85	93	104	127	...
Sweden	157	242	140	345	...
USA	2 037	1 921	1 415	1 103	817
Brazil					
Metal	80	24	6	1	...
Oxide	131	...	...	...	...
China	108	585	1 105	465	...
Hong Kong	...	234	431	997	433
India (a)	141	279	758	404	...
Japan	3 568	2 796	3 098	3 844	...
Korea, Republic of	97	76	63	47	...
Taiwan					
Oxide	258	399	369	314	325
Sulphide	17	18	47	6	16

(a) Years ended 31 March following that stated

## Production of Chromium Ores and Concentrates

Country	1991	1992	1993	1994	1995
Finland (b)	458 000	499 325	509 621	572 747	*600 000
Greece	20 108	—	3 697	*4 000	*4 000
Albania	586 700	322 000	281 000	223 000	*250 000
Macedonia	—	*6 000	*5 000	*5 000	...
Russia	—	*121 400	121 000	143 000	*150 000
Soviet Union	*3 800 000	—	—	—	—
Turkey (a)	1 720 455	758 700	706 250	790 000	*1 050 000
Madagascar	145 583	160 777	144 311	75 000	102 900
South Africa	5 100 299	3 363 481	2 838 044	3 599 472	5 104 026
Sudan	*25 000	*20 000	*13 000	*10 000	*10 000
Zimbabwe	566 200	521 600	252 033	516 801	644 600
Cuba	*50 000	*50 000	*50 000	*50 000	*50 000
Brazil (a)	216 347	303 834	*200 000	*200 000	*200 000
India	940 000	1 150 000	1 064 400	1 060 500	1 025 000
Iran (b) (c)	90 119	130 265	114 780	139 500	396 000
Japan	*8 000	*8 000	*8 000	*8 000	*8 000
Kazakhstan	—	3 452 400	2 968 200	2 020 000	*2 800 000
Oman	...	1 764	10 200	6 200	5 300
Pakistan	31 474	22 852	22 154	23 000	...
Philippines (b)	210 397	113 297	61 464	63 794	78 424
Vietnam	*3 500	*3 500	*3 500	*3 500	*3 500
New Caledonia	—	8 169	—	—	—
World total	14 000 000	11 000 000	9 400 000	9 500 000	12 500 000

## Note(s):

(1) In addition to the countries listed, Bulgaria, China, 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

## Chromium

## Exports of Chromium

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	75	442	1 391	5 690	1 121
Metal	3 787	2 575	2 337	3 268	2 868
Austria					
Ores & concentrates	140	72	37	63	...
Belgium-Luxembourg					
Ores & concentrates	16 491	16 104	12 942	18 715	...
Finland					
Ores & concentrates	2 008	1 405	1 101	...	...
France					
Ores & concentrates	4 089	1 980	1 354	1 101	...
Metal	2 674	2 065	2 384	2 944	...
Germany, Federal Republic of					
Ores & concentrates	18 221	19 064	11 497	9 543	8 041
Metal	1 798	343	787	634	652
Greece					
Ores & concentrates	8 539	3 895	14 525	...	...
Italy					
Ores & concentrates	1 960	2 718	1 690	1 824	...
Metal	69	60	89	49	...
Netherlands					
Ores & concentrates	37 183	30 653	16 665	24 206	...
Metal	44	13	396	848	...
Albania					
Ores & concentrates (b)	*201 900	*175 100	*113 900	*80 000	...
Russia					
Metal (b)	—	*800	*1 800	*4 700	...
Soviet Union					
Ores & concentrates	(c) 350 673	—	—	—	—
Metal (b)	*3 200	—	—	—	—
Turkey					
Ores & concentrates	577 358	447 574	321 818	601 100	1 032 803
Madagascar					
Ores & concentrates	129 342	108 450	137 800	...	...
South Africa					
Ores & concentrates	1 010 101	1 175 972	983 656	903 308	1 135 062
USA					
Ores & concentrates	8 808	7 149	12 279	47 344	19 510
of which: Re-exports	—	85	2 268	241	1 715
Metal	440	304	477	494	762
Brazil					
Ores & concentrates	59 253	52 823	36 130	156 373	...
China					
Ores & concentrates	2 042	6 705	6 940	4 107	...
Metal	(b) *1 500	6 720	7 078	5 654	...
India (a)					
Ores & concentrates	397 547	395 946	308 267	490 212	...
Iran					
Ores & concentrates (b)	*67 400	*112 700	*73 600	*244 300	...
Japan					
Ores & concentrates	356	195	359	323	...
Metal	2 020	2 315	1 336	1 484	...
Kazakhstan					
Ores & concentrates	—	699 000	373 126	...	...
Philippines					
Ores & concentrates	197 764	143 777	80 695	83 881	...
Singapore					
Ores & concentrates (d)	636	5 516	952	902	737

**Exports of Chromium**

Country	1991	1992	1993	1994	1995
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) Data for the Russian Federation only

(d) Re-exports

## Chromium

## Imports of Chromium

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	80 278	113 521	128 409	151 578	166 635
Metal	910	987	668	1 314	1 404
Austria					
Ores & concentrates	47 997	37 190	41 732	26 865	...
Metal	130	78	101	194	...
Belgium-Luxembourg					
Ores & concentrates	28 515	20 448	24 170	17 160	...
Metal	465	538	281	564	...
Denmark					
Ores & concentrates	2 878	1 035	349	269	724
France					
Ores & concentrates	77 035	46 752	18 853	22 742	...
Metal	1 557	721	926	1 209	...
Germany, Federal Republic of					
Ores & concentrates	276 511	231 151	205 765	172 534	159 743
Metal	3 207	1 495	1 441	1 852	1 808
Greece					
Ores & concentrates	39 575	47	162	...	...
Italy					
Ores & concentrates	159 914	163 614	143 716	102 366	...
Metal	478	380	286	474	...
Netherlands					
Ores & concentrates	34 378	30 801	29 944	32 858	...
Metal	175	124	274	1 306	...
Portugal					
Ores & concentrates	1 922	1 589	1 559	...	...
Spain					
Ores & concentrates	40 115	11 135	4 758	5 914	...
Metal	117	127	361	148	...
Sweden					
Ores & concentrates	230 352	328 668	254 126	374 426	...
Metal	253	339	530	462	...
Croatia					
Ores & concentrates	—	186 086	30 416	...	...
Czechoslovakia					
Ores & concentrates (a)	...	*55 500	—	—	—
Hungary					
Ores & concentrates	...	...	456	875	...
Norway					
Ores & concentrates	338 719	(a) *62 400	(a) *19 900	(a) *68 800	...
Poland					
Ores & concentrates	6 808	(a) *2 800	(a) *3 600	(a) *2 500	...
Romania					
Ores & concentrates	37 971	28 720	24 606	26 500	61 252
Slovakia					
Ores & concentrates	—	—	83 701	...	...
Switzerland					
Ores & concentrates	1 568	876	891	936	1 057
Metal	247	183	130	217	240
Yugoslavia (b)					
Ores & concentrates	(d) 19 389	2 356	...	...	...
Canada					
Ores & concentrates	20 957	13 775	20 998	20 232	* 36 992
Metal	272	194	371	463	365
Mexico					
Ores & concentrates	12 207	...	14 295	5 749	...
USA					
Ores & concentrates	212 139	218 770	254 802	201 273	252 709
Metal	5 765	5 276	6 207	6 475	7 244
Argentina					
Ores & concentrates	26 076	19 224	14 583	14 723	...
Brazil					
Ores & concentrates	1 779	25 977	31 897	8 045	...



## Imports of Chromium

tonnes

Country	1991	1992	1993	1994	1995
Chile					
Ores & concentrates	12 840	14 475	7 023	11 110	20 052
Peru					
Ores & concentrates	...	...	...	2 355	...
Venezuela					
Ores & concentrates	6 144	2 767	2 243	...	...
China					
Ores & concentrates	544 648	901 020	618 757	651 001	...
Metal	...	572	613	310	...
India (e)					
Metal	231	127	143	153	...
Japan					
Ores & concentrates	755 059	724 983	601 629	664 545	...
Metal	812	1 002	1 572	2 046	...
Korea, Republic of					
Metal	143	136	216	487	...
Singapore					
Ores & concentrates	673	936	1 977	1 036	1 245
Taiwan					
Ores & concentrates	5 595	6 240	6 372	6 991	9 993
Thailand					
Ores & concentrates	2 944	3 831	8 132	7 514	...
Australia					
Ores & concentrates (c)	7 394	5 407	8 286	...	...
Metal (c)	95	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) As from 1992 data is for Serbia and Montenegro only

(c) Years ended 30 June of that stated

(d) Data for the Federal Republic of Yugoslavia only

(e) Years ended 31 March following that stated

## Production of Coal

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Anthracite	1 864 000	2 040 000	1 404 000	...	...
Bituminous	92 338 000	82 453 000	66 795 000	(g) 48 971 000	(g) 52 630 000
Austria					
Brown coal & lignite	2 080 649	1 750 451	1 691 175	1 371 922	1 251 175
Belgium					
Bituminous	634 000	218 000	—	—	—
France					
Anthracite & bituminous	10 100 000	9 500 000	8 700 000	7 500 000	7 000 000
Lignite	2 000 000	1 600 000	1 700 000	1 600 000	1 400 000
Germany, Federal Republic of					
Anthracite & bituminous	66 438 000	65 906 000	60 288 000	54 344 000	53 600 000
Brown coal	111 676 000	241 751 000	221 748 000	207 131 000	192 800 000
Greece					
Lignite	52 082 570	54 658 236	54 817 062	57 532 515	*57 500 000
Italy					
Bituminous	170 000	110 000	7 600	—	—
Lignite	1 563 344	1 135 764	1 052 000	56 000	50 000
Portugal					
Anthracite	245 782	221 436	197 613	147 153	...
Spain					
Anthracite	5 950 000	6 450 000	6 054 000	...	...
Bituminous	8 450 000	8 650 000	8 071 000	(g) 14 086 000	(g) 13 657 000
Sub-bituminous	4 149 000	3 820 000	4 111 000	4 137 000	4 032 000
Lignite	15 551 000	14 710 000	13 347 000	11 362 000	10 775 000
Albania					
Lignite	1 098 000	216 000	135 000	120 000	81 000
Bosnia & Herzegovina					
Lignite	—	*2 000 000	*1 500 000	*1 500 000	...
Brown coal	—	*2 500 000	*1 000 000	*1 000 000	...
Bulgaria					
Anthracite & bituminous	128 000	248 000	200 000	173 000	194 000
Brown coal & lignite	28 323 000	30 088 000	28 800 000	28 584 000	30 636 000
Croatia					
Bituminous	—	120 274	104 617	96 205	...
Czechoslovakia					
Bituminous	19 522 000	18 486 000	—	—	—
Lignite	2 838 000	...	—	—	—
Brown coal	79 669 000	(a) 72 500 000	—	—	—
Czech Republic					
Bituminous	—	—	23 862 000	20 910 000	21 309 000
Lignite	—	—	1 263 000	913 000	775 000
Brown coal	—	—	66 891 000	59 811 000	57 954 000
Georgia	—	*181 000	*150 000	*50 000	...
Hungary					
Bituminous	1 694 882	1 296 000	942 000	1 021 115	*850 000
Lignite	5 326 624	7 020 000	6 894 000	6 720 000	7 153 000
Brown coal	9 952 700	7 627 000	6 287 000	5 710 000	6 458 000
Macedonia					
Lignite	—	6 472 920	6 917 774	6 859 762	...
Norway					
Spitzbergen (d)					
Bituminous	329 849	358 878	266 734	301 190	343 498
Poland					
Bituminous	140 269 000	131 523 000	130 479 000	133 933 000	137 166 000
Brown coal	69 406 000	66 852 000	68 105 000	66 770 000	63 547 000
Romania					
Anthracite & bituminous	5 411 000	5 623 000	5 760 000	*5 500 000	5 400 000
Lignite	29 149 000	34 993 000	36 100 000	*36 000 000	(i) 38 500 000
Brown coal	645 000	622 000	601 000	*450 000	...
Russia	—	337 000 000	306 000 000	272 000 000	262 000 000
Slovakia					
Bituminous	—	—	960 000	1 040 000	1 065 000
Brown coal	—	—	2 300 000	2 620 000	2 660 000
Slovenia					
Lignite	—	4 233 339	*4 000 000	3 775 000	...
Brown coal	—	1 316 639	*1 100 000	1 079 000	...

## Production of Coal

Country	1991	1992	1993	1994	1995
Soviet Union					
Anthracite & bituminous	487 000 000	—	—	—	—
Lignite	143 000 000	—	—	—	—
Turkey					
Anthracite	(j) 5 209 481	(j) 5 300 000	(j) 5 000 000	4 210 780	3 377 336
Bituminous	...	...	...	108 364	147 154
Lignite	50 768 694	68 725 454	51 359 417	55 038 339	57 152 364
Ukraine					
Bituminous	—	97 200 000	*90 000 000	90 900 000	80 000 000
Lignite	—	5 300 000	*5 000 000	4 000 000	3 600 000
Yugoslavia (b)					
Bituminous	(h) 209 000	102 000	73 000	82 000	...
Lignite	(h) 62 453 000	39 300 000	36 829 000	37 740 000	...
Brown coal	(h) 8 613 000	703 000	531 000	529 000	...
Botswana	783 873	901 452	890 000	900 298	900 000
Malawi	52 347	52 663	44 958	60 217	18 169
Morocco					
Anthracite	550 840	575 800	603 800	650 400	649 600
Mozambique					
Bituminous	50 832	12 618	8 740	*10 000	...
Niger	156 542	133 525	*150 000	*150 000	*150 000
Nigeria					
Sub-bituminous	100 074	86 657	*100 000	*130 000	90 000
South Africa					
Anthracite	2 689 353	3 344 699	3 245 936	2 280 446	2 137 368
Bituminous	175 704 883	171 047 407	179 030 241	193 524 994	204 104 596
Swaziland					
Bituminous	122 502	100 220	49 644	227 730	171 666
Tanzania					
Bituminous	74 914	21 795	40 248	45 027	30 000
Zaire					
Bituminous	*80 000	*85 000	*92 000	...	...
Zambia					
Bituminous	*420 000	421 989	301 496	160 000	400 000
Zimbabwe					
Bituminous	5 616 000	5 548 000	5 284 734	5 515 336	5 510 000
Canada					
Bituminous	39 910 597	32 563 000	35 323 442	36 644 455	38 580 179
Sub-bituminous	22 242 244	23 019 899	23 661 046	25 494 274	25 596 202
Lignite	8 981 478	10 026 882	10 044 870	10 684 628	10 739 710
Mexico					
Bituminous	9 401 325	8 699 927	10 215 352	11 432 222	11 800 258
USA					
Anthracite	3 100 000	...	...	...	...
Bituminous & lignite	900 400 000	(g) 904 958 000	(g) 857 674 000	(g) 937 579 000	(g) 934 162 000
Argentina					
Bituminous	293 946	214 684	172 771	348 000	304 485
Brazil					
Bituminous & lignite (e)	5 200 000	4 684 000	4 581 000	4 763 000	5 038 500
Chile					
Bituminous	1 341 527	977 775	792 681	480 825	(a) 1 484 867
Lignite	1 399 034	1 130 310	1 000 385	1 182 138	...
Colombia					
Bituminous	20 200 000	23 700 000	23 800 000	23 500 000	26 100 000
Peru					
Anthracite	125 300	79 805	80 901	63 160	*60 000
Bituminous	25 500	14 485	*20 000	*20 000	*20 000
Venezuela					
Bituminous	2 403 405	2 479 897	3 958 336	4 628 630	4 600 000
Afghanistan (c)					
Bituminous	*250 000	*300 000	*250 000	*200 000	140 000

## Production of Coal

tonnes

Country	1991	1992	1993	1994	1995
China					
Anthracite	217 500 000	220 960 000	250 550 800	249 910 900	...
Bituminous	825 120 000	846 320 000	843 310 200	931 138 300	(g) 1 253 400 000
Lignite	44 790 000	47 270 000	56 810 000	60 950 800	44 600 000
India					
Bituminous	218 000 000	224 400 000	246 100 000	254 000 000	263 500 000
Lignite	15 000 000	12 600 000	18 800 000	19 200 000	22 000 000
Indonesia					
Anthracite & bituminous	1 453 000	23 150 000	27 600 000	32 800 000	41 600 000
Iran (c)					
Bituminous	1 480 091	1 507 697	1 665 164	1 884 985	1 590 000
Japan					
Anthracite & bituminous	8 060 000	7 600 000	7 200 000	6 900 000	6 300 000
Lignite	46 808	54 226	53 039	60 886	...
Kazakhstan					
Bituminous	—	122 384 000	107 211 000	101 500 000	81 100 000
Lignite	—	4 152 000	4 669 000	2 500 000	2 100 000
Korea, Dem. P.R. of					
Anthracite	43 300 000	43 100 000	43 000 000	...	40 000 000
Lignite	13 000 000	13 000 000	...	...	...
Korea, Republic of					
Anthracite	13 770 000	11 133 000	8 845 000	7 136 000	5 720 000
Kyrgyzstan	—	*2 000 000	*1 700 000	*2 000 000	...
Malaysia	64 861	74 483	263 604	173 749	112 100
Mongolia					
Anthracite & bituminous	...	...	...	1 430 000	1 445 000
Brown coal & lignite	(g) (j) 6 354 700	(g) (j) 6 247 300	(g) (j) 5 608 500	3 550 000	3 558 000
Myanmar	56 695	37 520	33 384	35 856	31 000
Pakistan (a)	3 039 967	2 954 000	3 305 028	3 100 000	2 700 000
Philippines					
Bituminous	1 307 040	1 582 430	1 531 487	1 400 000	1 320 000
Taiwan					
Bituminous	402 575	334 821	328 124	285 099	234 965
Tajikistan	—	*220 000	*200 000	*200 000	*200 000
Thailand					
Lignite	14 688 440	15 618 230	15 592 759	17 099 654	17 300 000
Uzbekistan	—	4 501 000	3 655 000	4 700 000	4 700 000
Vietnam					
Anthracite	4 895 400	4 938 500	5 500 000	6 100 000	7 200 000
Australia					
Bituminous (f)	167 472 000	179 144 000	180 045 000	182 723 000	193 534 000
Brown coal	52 124 000	50 228 000	48 458 000	48 682 000	*48 300 000
New Zealand					
Bituminous	734 122	907 102	975 109	...	...
Sub-bituminous	1 779 549	1 897 243	1 932 057	(j) 3 033 196	(j) 3 300 000
Lignite	170 476	179 666	183 613	200 000	180 000
World total	4 383 000 000	4 489 000 000	4 399 000 000	4 517 000 000	4 549 000 000

## 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) As from 1992 data is for Serbia and Montenegro only
- (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) Excluding data from August to December for the Republic of Croatia
- (i) Including brown coal
- (j) Including bituminous

## Exports of Coal

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Anthracite	695 699	396 230	316 790	271 331	322 079
Other coal	1 127 964	576 652	796 943	953 479	536 456
Briquettes	107 015	70 459	94 258	105 551	120 895
Austria					
Brown coal	2 562	2 996	659	15	...
Belgium-Luxembourg					
Anthracite	254 128	175 764	195 230	220 055	...
Other coal	684 291	574 068	735 009	1 165 871	...
Lignite	2 398	282	454	229	...
Briquettes	12 495	11 932	31 913	28 400	...
Denmark (b)	54 777	36 585	23 725	48 577	59 572
of which: Re-exports	54 649	27 911	...	...	...
France					
Anthracite	32 511	18 067	24 464	18 884	...
Other coal	651 922	571 416	575 660	561 128	...
Briquettes	49 896	47 171	40 092	21 093	...
Germany, Federal Republic of					
Coal (b)	3 531 584	1 647 834	970 011	2 190 765	1 849 520
Brown coal	441 817	362 187	350 722	723 794	403 891
Briquettes	1 268 700	850 120	608 953	190 745	420 177
Irish Republic (b)	23 997	30 078	6 639	4 184	3 322
Italy (b)	72 248	8 042	1 388	10 701	...
Netherlands					
Anthracite	288 319	206 755	91 794	64 324	...
Other coal	2 012 522	1 931 546	1 891 588	2 807 844	...
Briquettes	—	11 680	10 058	3 750	...
Spain (b)	759	678	312	19 762	...
Sweden (b)	13 065	14 620	105 431	23 393	...
Albania					
Lignite	*100 000	*100 000	*50 000	...	...
Czechoslovakia					
Coal	2 484 000	2 788 000	—	—	—
Brown coal	2 722 000	3 147 000	—	—	—
Czech Republic					
Coal	—	—	5 137 000	6 499 000	7 022 000
Lignite	—	—	5 008 000	5 282 000	6 903 000
Estonia (c)	—	*131 400	*337 700	*173 900	...
Norway (b)	270 980	168 114	227 233	178 624	180 276
Poland					
Coal (b)	19 274 000	19 578 411	22 968 000	27 695 000	(g) 31 868 600
Brown coal	1 183 000	977 865	(c) *894 200	719 349	...
Russia					
Coal (b)	17 500 000	18 113 000	19 675 000	24 100 000	29 900 000
Lignite	—	6 593 000	477 000	...	...
Slovakia					
Lignite	—	—	113 067	...	...
Slovenia					
Lignite	—	81 064	38 233	24 743	...
Soviet Union					
Brown coal (c)	*345 900	—	—	—	—
Switzerland (b)	3 104	3 430	18	8	7 827
Turkey					
Coal	43 000	—	1	28	3
Lignite	4 000	—	—	—	—
Ukraine (c)	—	*762 100	*579 100	*2 720 300	...
Yugoslavia (e)					
Brown coal	(f) 70 405	...	...	...	...
South Africa					
Anthracite	3 293 983	2 260 158	2 090 031	2 225 494	2 016 844
Other coal	45 971 140	47 330 271	49 642 941	52 366 594	57 659 214
Zimbabwe (b)	50 512	42 984	...	...	...
Canada					
Coal	32 403 178	25 914 793	28 275 491	31 222 322	34 068 703
Lignite	2 028	62 306	73 624	62 293	35 461

## Coal

## Exports of Coal

tonnes

Country	1991	1992	1993	1994	1995
USA					
Anthracite	503 437	469 580	424 273	447 429	734 615
Other coal	100 071 698	92 453 836	67 238 436	64 480 289	79 680 628
Lignite	40 599	29 438	19 722	23 995	101 660
Briquettes	26 618	39 480	36 564	13 071	16 621
Colombia	16 379 212	14 611 720	17 616 000	18 437 000	19 700 000
Venezuela	2 292 533	2 395 383	4 361 311	3 591 169	*3 600 000
China					
Anthracite	2 093 491	2 014 976	1 914 475	1 863 031	...
Other coal	17 907 764	17 647 500	17 899 388	22 436 550	...
India (a)	134 957	381 601	515 099	673 053	...
Indonesia					
Anthracite	587 133	1 013 148	1 051 008	1 142 525	...
Other coal	7 019 073	14 798 274	17 568 547	24 221 450	...
Briquettes	434 562	103 808	116 002	406 271	...
Japan	1 098	2 506	2 388	2 250	...
Kazakhstan	—	581 000	659 000	...	...
Korea, Dem. P.R. of (c)	*1 466 000	*1 090 000	*615 000	*474 000	...
Malaysia (b)	35 085	30 630	32 062	63 570	...
Singapore (b)	171 057	87 476	73 565	1 257	147
of which: Re-exports	165 687	87 170	73 417	1 148	147
Vietnam	1 164 000	1 568 000	1 434 000	...	...
Australia	120 828 000	127 038 000	133 077 000	131 228 000	136 435 000
New Zealand (d)	416 183	731 131	746 915	1 000 429	...

## 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

(e) As from 1992 data is for Serbia and Montenegro only

(f) Data for the Federal Republic of Yugoslavia only

(g) Including anthracite and brown coal

## Imports of Coal

Country	1991	1992	1993	1994	1995
United Kingdom					
Anthracite	1 133 205	860 286	1 371 121	1 662 281	1 779 320
Other coal	18 477 346	19 479 171	14 624 142	13 379 119	14 116 572
Briquettes	160 513	153 349	127 493	80 653	49 287
Austria					
Anthracite	7 475	10 650	3 138	1 916	...
Other coal	3 769 821	3 788 446	3 173 276	2 996 596	...
Brown coal	22 842	8 547	1 320	18 873	...
Briquettes	326 738	265 226	248 910	196 657	...
Belgium-Luxembourg					
Anthracite	1 181 064	1 117 927	890 145	890 726	...
Other coal	13 597 504	13 896 298	11 254 181	12 392 380	...
Brown coal	250 191	210 079	208 017	112 321	...
Briquettes	98 517	68 692	155 193	143 847	...
Denmark					
Coal (c)	12 879 950	12 145 342	10 468 023	11 805 569	12 939 448
Lignite	5 943	4 163	8 314	8 998	4 029
Briquettes	4 359	2 548	111	325	244
Finland					
Anthracite	13 070	24 529	4 726	17 747	...
Other coal	5 160 032	4 239 787	5 948 331	8 087 000	...
France					
Anthracite	2 687 252	2 349 429	1 994 813	2 013 315	...
Other coal	18 851 045	20 047 859	12 047 753	10 585 090	...
Lignite	75 582	68 381	49 304	58 928	...
Briquettes	191 201	185 277	182 065	160 422	...
Germany, Federal Republic of					
Anthracite	135 426	195 372	169 098	219 182	355 518
Other coal	15 264 936	15 232 654	12 883 376	15 264 156	14 696 821
Brown coal	3 424 576	3 640 309	2 990 577	3 023 604	2 642 506
Briquettes	299 022	268 850	436 331	76 182	63 636
Greece (c)	1 739 792	1 496 209	1 446 000	1 430 000	...
Irish Republic					
Anthracite	174 255	193 022	135 505	95 650	70 894
Other coal	2 950 728	2 824 278	2 754 712	205 110	156 265
Lignite	58 278	28 193	37 912	38 604	28 720
Briquettes	16 801	8 683	6 860	2 342	—
Italy					
Anthracite	3 152 616	2 957 935	634 356	448 692	...
Other coal	16 998 778	14 978 425	13 264 130	15 308 172	...
Lignite	754	1 066	109	243	...
Briquettes	213 006	89 597	21 583	19 754	...
Netherlands					
Anthracite	274 047	349 758	250 392	335 059	...
Other coal	15 533 199	14 602 130	15 159 987	16 791 802	...
Brown coal	50 945	34 941	32 545	32 616	...
Briquettes	5 562	5 430	45 101	47 979	...
Portugal					
Anthracite	595 000	675 000	557 451	667 648	...
Other coal	3 553 000	3 813 000	4 141 740	4 346 000	...
Spain					
Anthracite	522 941	358 092	194 074	289 499	...
Other coal	12 628 683	13 649 867	12 454 217	11 549 223	...
Lignite	886	578	1 620	350	...
Briquettes	4 282	269	2 568	—	...
Sweden					
Anthracite	33 058	60 183	24 134	32 661	...
Other coal	3 095 351	2 949 191	3 180 865	3 013 709	...
Albania (e)	*103 000	*21 700	...	...	...
Armenia	—	110 000	1 423 000	...	...
Bulgaria (c)	4 528 000	3 674 000	(e) *1 975 200	(e) *1 593 700	...
Croatia					
Anthracite	—	34 401	14 878	...	...
Other coal	—	507 069	576 146	...	...
Lignite	—	185 146	147 106	...	...

## Imports of Coal

tonnes

Country	1991	1992	1993	1994	1995
Czechoslovakia					
Coal	5 843 000	...	—	—	—
Briquettes	1 000	...	—	—	—
Czech Republic	—	—	1 940 000	1 721 000	2 676 000
Hungary					
Coal (c)	2 262 000	1 750 811	1 242 093	1 961 051	...
Brown coal	...	610 402	985 104	622 434	...
Briquettes	189 000	105 910	66 210	54 544	...
Iceland	60 493	50 844	53 964	71 007	64 927
Latvia	—	813 000	610 156	465 554	...
Lithuania					
Coal	—	918 700	156 500	353 500	236 500
Lignite	—	...	...	...	24 400
Macedonia					
Anthracite	—	...	63 086	...	...
Malta	237 837	210 441	245 818	208 412	...
Moldova	—	2 489 000	1 938 000	...	...
Norway (a)					
Anthracite	114 801	77 602	81 191	93 097	106 412
Other coal	475 404	529 380	612 709	673 841	788 440
Lignite	7 562	9 663	21 702	27 563	32 845
Briquettes	3 124	805	650	745	2 309
Poland					
Anthracite	8 000	...	...	91 697	...
Other coal	54 000	(c) 125 215	(c) 129 134	977 576	...
Romania	2 911 735	6 645 078	2 916 496	4 079 985	4 629 274
Russia (e)	—	...	...	*25 900 000	*16 400 000
Slovakia					
Bituminous	—	—	2 666 545	(e) *3 118 000	...
Lignite (e)	—	—	...	*2 559 000	...
Briquettes	—	—	721 146	...	...
Slovenia					
Coal	—	14 898	18 769	15 552	...
Lignite	—	125 137	318 189	219 645	...
Soviet Union (e)	*230 600	—	—	—	—
Switzerland					
Coal (c)	364 363	148 567	124 832	131 449	214 158
Briquettes	17 191	17 290	14 441	13 450	9 168
Turkey					
Coal (c)	5 115 000	4 026 000	5 472 825	6 652 514	4 340 199
Lignite	512 000	486 000	—	—	—
Ukraine (e)	—	*1 335 000	*1 261 000	*2 673 000	...
Yugoslavia (h)					
Anthracite	(g) 9 489	—	...	...	...
Other coal	(g) 45 803	—	...	(e) *334 000	...
Brown coal	(g) 14 347	—	...	...	...
Algeria	1 000 139	802 849	...	425 326	...
Egypt	1 206 793	1 155 373	1 522 015	1 852 000	...
Kenya	132 000	157 288	...	...	...
Madagascar	11 049	11 985	5 040	...	...
Malawi	11 000	*12 000	...	...	...
Mauritius	66 000	72 000	...	...	...
Morocco (c)	1 376 178	1 061 120	978 598	1 290 000	...
Mozambique	*20 000	*20 000	...	...	...
South Africa	709 642	639 271	343 497	556 968	805 160
Tunisia (c)	3 086	11 138	14 733	9 383	...
Zaire	*46 000	*42 000	...	...	...
Zimbabwe	28 000	*30 000	...	...	...
Canada					
Anthracite	312 863	285 593	265 645	343 961	427 044
Other coal	11 377 781	13 464 204	8 450 491	8 704 363	9 317 111
Cuba	111 000	151 000	152 000	...	...
Mexico					
Coal	202 394	...	81 026	289 668	...
Lignite	1 743	1 303	1 675	1 034	...
Panama	32 255	27 317	49 921	10 833	...



## Imports of Coal

Country	1991	1992	1993	1994	1995
USA					
Anthracite	242	132 798	219 417	335 514	40 997
Other coal	3 002 205	3 253 930	6 336 742	6 482 178	6 491 162
Briquettes	74 611	17 827	54 471	52 482	443
Argentina	659 682	993 042	966 884	1 278 572	...
Brazil					
Anthracite	328 940	457 784	348 521	903 860	...
Other coal	11 224 767	11 452 589	12 133 728	11 413 765	...
Chile	1 520 283	963 140	1 688 897	2 343 242	2 871 638
Peru	181 567	182 534	262 086	354 702	...
Venezuela	19 391	74 730	23 722	31 408	...
China					
Anthracite	968 476	801 922	842 058	624 692	...
Other coal	376 488	400 616	579 031	584 485	...
Lignite	23 119	27 869	7 090	8 745	...
Cyprus	72 175	131 050	110 342	152 043	169 182
Hong Kong (c)	9 634 464	10 214 003	11 828 277	8 449 610	9 107 453
India (c) (d)	5 276 238	6 493 594	7 331 098	10 739 630	...
Indonesia (c)	673 050	453 660	511 189	300 805	...
Iran (b)	570 662	343 019	258 810	(e) *544 000	...
Israel	3 921 000	5 433 000	5 381 000	...	...
Japan					
Anthracite	2 390 381	2 360 510	2 478 369	2 444 482	...
Other coal	109 563 568	108 926 077	111 417 834	114 688 991	...
Lignite	24 566	15 758	23 176	20 782	...
Korea, Dem. P.R. of (e)	*1 948 000	*1 441 000	*2 008 000	*1 552 000	...
Korea, Republic of					
Anthracite	1 409 952	808 629	783 332	699 176	782 000
Other coal	27 849 073	29 767 640	34 958 730	38 507 007	42 400 000
Briquettes	19 352	16 299	3 269	6 331	...
Kyrgyzstan	—	...	1 028 000	...	...
Malaysia					
Anthracite	19 012	14 019	28 194	17 126	...
Other coal	2 090 647	2 315 960	1 623 489	1 363 000	...
Lignite	47 781	4	25 927	268	...
Pakistan (f)	973 438	1 069 091	1 030 890	1 093 917	...
Philippines (c)	1 265 657	856 846	925 444	1 064 043	...
Taiwan					
Anthracite	61 976	47 053	51 026	53 248	78 253
Other coal	18 393 435	23 146 730	24 876 728	26 689 095	29 160 642
Briquettes	31 479	87	—	13 121	52 250
Thailand (c)	442 312	470 241	964 372	1 417 363	...
Australia (f)	7 139	970	76 379	...	...
New Caledonia	195 304	166 734	156 781	206 030	...

(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

(g) Data for the Federal Republic of Yugoslavia only

(h) As from 1992 data is for Serbia and Montenegro only

## Cobalt

**Mine Production of Cobalt**

tonnes (metal content)

Country	1991	1992	1993	1994	1995
Finland	234	216	167	121	...
Albania	500	300	—	—	—
Russia	—	*3 200	*2 500	*3 300	...
Soviet Union	*5 200	—	—	—	—
Botswana	208	208	205	225	280
Morocco	295	425	397	418	450
South Africa	209	234	243	246	190
Zaire	8 620	6 625	2 200	3 274	3 981
Zambia	4 817	4 610	4 211	2 639	2 800
Zimbabwe	118	101	110	126	102
Canada	5 274	5 102	5 108	4 265	5 266
Cuba	1 331	1 360	1 258	1 141	1 900
Brazil	900	1 000	1 300	...	...
China	233	255	189	199	...
Indonesia	700	700	800	800	814
Australia	*1 670	*1 270	*1 270	1 100	1 200
New Caledonia	2 990	3 015	3 018	1 100	1 000
<b>World total</b>	<b>33 300</b>	<b>28 600</b>	<b>23 000</b>	<b>20 300</b>	<b>22 900</b>

## 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 Australia, Brazil, Canada and New Caledonia, the figures for which relate to cobalt in ore raised

**Production of Cobalt Metal**

Country	1991	1992	1993	1994	1995
Belgium (a)	...	...	...	...	...
Finland	515	742	940	1 443	*1 500
Germany, Federal Republic of (b)	975	815	602	856	...
Czechoslovakia	60	68	—	—	—
Norway	1 983	2 293	2 414	2 824	2 600
Russia	—	*4 000	*3 000	3 341	3 200
Soviet Union	*6 460	—	—	—	—
South Africa	209	234	172	246	190
Zaire	8 790	6 625	2 200	3 300	3 441
Zambia	4 817	4 610	4 211	2 639	2 934
Canada (c)	2 248	2 210	2 695	2 971	3 291
Brazil	33	88	158	*180	*180
China	340	437	404	...	...
Japan	185	105	191	161	27
World total	26 600	22 200	17 000	18 400	18 600

## 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

(a) Production not reported. Much of the metal recorded under Zaire is believed to be further processed in Belgium and elsewhere

(b) Sales

(c) Including oxides

## Exports of Cobalt

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	1 328	1 635	1 822	1 979	2 367
Oxides	1 730	1 282	1 090	2 096	2 216
Austria	28	64	181	104	...
Belgium-Luxembourg (a)					
Metal	*3 600	*2 400	*1 900	*1 900	...
Oxides	*1 900	*1 100	*1 400	*900	...
Finland					
Metal	396	659	829	...	...
Oxides	1 065	1 198	1 283	...	...
France					
Metal	669	860	465	742	...
Oxides	22	48	53	43	...
Germany, Federal Republic of					
Metal	1 332	1 666	1 250	1 789	1 543
Oxides	41	84	72	57	77
Italy					
Metal	222	600	372	82	...
Oxides	49	78	114	59	...
Netherlands					
Metal	186	167	408	534	...
Oxides	39	38	40	47	...
Spain	32	9	2	...	...
Sweden					
Metal	140	820	281	205	...
Oxides	117	841	589	660	...
Norway	2 010	2 103	2 554	2 680	2 830
Russia	—	1 473	553	(d) *3 200	...
Soviet Union					
Metal (d)	*1 000	—	—	—	...
Switzerland	139	179	151	139	128
Morocco					
Ore	3 126	3 000	...	...	...
South Africa	176	211	196	179	152
Canada					
Metal	4 910	3 181	3 089	4 142	4 697
Oxides	463	489	394	204	—
Cuba					
Oxide, sinter & sulphide (b)	*1 300	*1 300	*1 200	*1 200	...
USA					
Metal	1 039	959	794	1 806	1 635
Oxides	1 115	1 002	455	999	537
Brazil	249	97	...	260	...
China					
Metal	100	141	10	767	...
Oxides	143	116	35	484	...
Hong Kong					
Metal (c)	...	1 394	814	1 034	910
Oxides (c)	42	133	44	522	1 010
Japan					
Metal	335	265	269	401	...
Oxides	50	50	28	41	...

(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

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	3 558	3 157	3 344	3 521	3 456
Oxides	528	671	554	596	632
Austria					
Metal	286	304	271	355	...
Oxides	20	21	24	18	...
Belgium-Luxembourg					
Metal	(b) *460	(b) *600	(b) *300	(f) 1 080	...
Oxides	171	184	202	348	...
Denmark					
Metal	19	13	18	27	24
France					
Metal	1 339	1 559	978	1 453	...
Oxides	404	415	555	578	...
Germany, Federal Republic of					
Metal	2 163	2 476	1 819	2 220	2 336
Oxides	503	447	478	621	448
Irish Republic					
Metal	—	—	408	249	140
Italy					
Metal	543	722	603	698	...
Oxides	656	510	608	655	...
Netherlands					
Metal	161	125	254	476	...
Oxides	316	270	211	212	...
Spain					
Metal	189	173	183	113	...
Oxides	209	248	362	135	...
Sweden					
Metal	576	881	510	741	...
Norway					
Metal	13	78	1 075	922	1 637
Oxides	41	335	890	912	1 018
Switzerland					
Metal	248	249	287	295	335
Turkey					
Oxides	57	72	46	34	39
Yugoslavia (e)					
Metal	(d) 22	9	...	...	...
South Africa					
Metal	324	114	158	1 202	580
Oxides	14	17	16	10	12
Canada					
Metal	2 083	1 200	546	950	1 246
Mexico					
Metal	49	124	46	53	...
Oxides	277	172	138	166	...
USA					
Metal	6 894	6 089	6 140	6 933	6 796
Oxide	584	430	444	858	808
Brazil					
Metal	564	263	355	418	...
Oxide	45	59	73	74	...
Venezuela					
Oxides	238	44	51	...	...
China					
Metal	437	768	581	435	...
Hong Kong					
Metal	...	1 828	1 207	1 427	1 171
Oxide	46	64	211	771	309
India (a)					
Metal	205	197	233	322	...
Indonesia					
Oxides	156	139	60	54	...
Japan					
Metal	6 815	4 387	4 107	5 809	...
Oxide	571	336	498	620	...

## Cobalt

## Imports of Cobalt

tonnes

Country	1991	1992	1993	1994	1995
Korea, Republic of					
Metal	654	467	577	717	...
Oxides	168	120	133	121	...
Malaysia					
Metal	25	26	131	...	...
Oxides	29	199	43	...	...
Saudi Arabia					
Oxides	256	52	254	19	...
Singapore					
Metal	264	41	41	542	257
Oxide	42	82	101	157	159
Taiwan					
Metal	181	175	271	474	517
Oxides	133	102	178	223	244
Australia					
Metal (c)	37	35	43	...	...
Oxide (c)	55	47	54	...	...

(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) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

(f) Excluding unwrought metal

## Mine Production of Copper

tonnes (metal content)

Country	1991	1992	1993	1994	1995
Finland	16 224	15 351	13 657	13 243	*13 000
Portugal	158 885	152 300	150 721	130 300	129 700
Spain	7 716	9 818	3 518	4 000	22 112
Sweden	81 650	89 145	88 909	79 384	83 603
Albania	8 000	3 400	3 500	2 200	*4 000
Armenia	—	*2 000	*1 000	*1 000	*1 000
Bulgaria	47 200	47 400	60 400	75 500	*75 000
Czechoslovakia	1 550	1 000	—	—	—
Georgia	—	*6 000	*5 000	*3 000	3 700
Macedonia	—	7 200	5 800	*6 000	*6 000
Norway	19 901	12 734	8 743	7 408	6 799
Poland	382 000	332 000	382 800	378 200	383 000
Romania	27 200	24 700	25 361	26 034	24 003
Russia	—	680 000	594 000	573 300	536 200
Soviet Union	*840 000	—	—	—	—
Turkey	39 422	36 425	39 200	34 902	33 131
Yugoslavia (b)	(a) 121 842	97 811	68 007	84 800	87 575
Botswana	20 576	20 413	20 132	22 780	21 029
Morocco	15 800	14 300	14 194	14 541	11 600
Namibia	31 719	31 313	29 146	26 555	22 530
South Africa	193 642	176 074	189 000	173 000	182 000
Zaire	236 100	147 300	47 500	30 000	35 000
Zambia	423 000	432 600	431 500	384 400	341 900
Zimbabwe	13 811	9 600	8 187	9 350	7 700
Canada	811 134	768 582	732 591	616 776	723 683
Cuba	*2 000	*1 500	*2 000	*2 000	*2 000
Honduras	*1 000	1 600	1 000	1 000	...
Mexico	284 174	279 042	303 989	305 487	339 144
USA	1 631 078	1 764 756	1 801 382	1 850 000	1 850 000
Brazil	37 947	39 845	43 568	39 674	49 259
Chile	1 814 300	1 932 700	2 055 400	2 219 900	2 488 100
Peru	382 277	379 128	381 250	365 513	404 990
China	304 000	334 300	345 700	395 600	368 200
India	50 430	49 036	49 416	45 944	47 000
Indonesia	267 401	369 281	378 000	434 000	459 700
Iran	89 900	96 000	100 800	117 900	102 200
Japan	12 413	12 074	10 277	6 043	2 376
Kazakhstan	—	*290 000	*263 000	285 000	260 000
Korea, Dem. P.R. of	*14 000	*12 000	*12 000	*12 000	*12 000
Malaysia	25 581	28 556	25 182	25 267	20 751
Mongolia	90 100	105 100	96 900	120 160	121 900
Myanmar	5 700	5 000	5 200	4 800	*6 000
Oman	13 500	13 400	8 800	4 300	—
Philippines	148 000	123 523	136 258	116 164	108 063
Uzbekistan	—	*50 000	*50 000	57 400	*50 000
Australia	320 000	378 000	420 000	*410 000	365 000
Papua New Guinea	204 459	193 359	203 945	206 329	212 737
World total	9 200 000	9 600 000	9 600 000	9 700 000	10 000 000

(a) Excluding data from August to December for the Republic of Croatia

(b) As from 1992 data is for Serbia and Montenegro only

## Smelter Production of Copper

tonnes

Country	1991	1992	1993	1994	1995
Belgium	106 000	102 800	141 700	147 600	147 000
Finland	114 284	136 768	136 647	129 265	88 300
Germany, Federal Republic of	171 900	179 100	141 300	292 200	308 100
Spain	*144 000	*137 000	*173 000	188 400	173 300
Sweden	68 113	77 804	76 298	102 700	111 100
Albania	4 800	2 300	*2 000	2 100	*3 000
Armenia	—	*10 000	*10 000	*10 000	...
Bulgaria	27 800	50 600	71 900	83 151	74 000
Czechoslovakia	27 658	25 100	—	—	—
Hungary	4 900	100	—	—	—
Norway	38 447	39 259	37 205	39 516	33 600
Poland	440 000	454 000	411 200	401 881	409 000
Romania	27 800	28 400	26 200	25 300	25 200
Russia	—	640 000	538 000	524 300	532 000
Slovakia	—	—	22 400	22 000	22 000
Soviet Union	*920 000	—	—	—	—
Turkey	28 380	26 088	33 456	30 437	24 416
Yugoslavia (b)	122 200	127 920	57 398	86 600	87 410
Namibia	33 539	37 531	34 411	29 781	29 799
South Africa	164 700	158 700	156 600	158 300	154 400
Zaire (a)	221 100	134 000	48 400	29 300	28 800
Zambia (a) (c)	364 900	420 300	367 600	276 700	304 500
Zimbabwe	23 800	22 400	18 900	18 200	17 500
Canada	505 425	515 028	518 301	515 088	522 457
Mexico	208 339	256 110	300 710	302 626	328 927
USA	1 122 926	1 180 305	1 265 200	1 311 108	1 260 000
Brazil	141 443	156 775	161 102	170 033	164 996
Chile	1 296 100	1 326 500	1 389 100	1 460 400	1 665 700
Peru	341 919	326 617	317 211	333 017	373 297
China	385 000	418 000	443 700	482 400	486 668
India	45 541	45 500	37 000	51 200	39 500
Iran	123 200	120 000	74 844	131 800	106 100
Japan	1 085 435	1 174 895	1 184 825	1 121 999	1 168 481
Kazakhstan	—	*310 000	*300 000	276 100	265 000
Korea, Dem. P.R. of	*25 000	*20 000	*19 800	*20 000	*20 000
Korea, Republic of	186 000	174 000	141 962	135 200	153 900
Oman	15 100	18 700	27 800	31 800	34 200
Philippines	167 462	168 831	212 446	200 255	198 200
Uzbekistan	—	74 000	64 000	57 000	50 000
Australia	197 000	200 000	247 000	257 000	140 000
World total	8 900 000	9 300 000	9 200 000	9 400 000	9 600 000

## 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) As from 1992 data is for Serbia and Montenegro only

(c) Years ended 31 March following that stated



## Production of Refined Copper

Country	1991	1992	1993	1994	1995
United Kingdom	70 060	42 067	46 578	46 664	55 000
Austria	52 837	54 680	53 036	51 300	54 000
Belgium	297 593	367 300	378 900	375 200	393 000
Finland	64 908	71 352	73 352	69 200	73 700
France	43 570	43 200	59 300	59 200	64 900
Germany, Federal Republic of	521 500	581 400	631 900	591 860	616 400
Italy	83 400	76 000	90 300	84 000	98 000
Spain	189 850	179 117	179 230	188 307	164 213
Sweden	96 554	101 634	99 077	102 675	105 142
Albania	4 400	1 200	1 000	2 100	*3 200
Armenia	—	*10 000	*10 000	*10 000	...
Bulgaria	27 700	28 000	23 800	*32 000	*32 000
Czechoslovakia	25 273	25 000	—	—	—
Hungary	9 341	4 100	—	—	...
Norway	38 447	39 259	37 205	39 415	34 300
Poland	378 500	387 000	404 200	405 000	407 000
Romania	*25 700	*26 500	26 300	25 600	26 700
Russia	—	575 400	562 200	502 200	559 800
Slovakia	—	—	23 200	23 000	*20 000
Soviet Union	*1 040 000	—	—	—	—
Turkey	80 700	100 100	92 700	83 000	98 500
Yugoslavia (b)	(a) 122 200	114 763	51 000	72 100	78 500
Egypt	*4 000	*4 000	*4 000	*4 000	*4 000
South Africa	127 200	120 100	127 900	129 600	139 535
Zaire	120 000	57 200	*40 000	29 300	33 088
Zambia	394 900	472 000	407 100	352 000	321 300
Zimbabwe	23 800	22 400	18 900	18 200	24 000
Canada	538 339	539 302	561 580	549 869	572 389
Mexico	171 866	203 006	187 920	216 198	255 983
USA	1 995 194	2 143 815	2 252 487	2 230 000	2 239 000
Argentina	*15 000	*16 000	*15 000	*16 000	*16 000
Brazil	141 443	156 775	161 102	170 033	164 996
Chile	1 228 300	1 242 300	1 268 200	1 277 400	1 490 900
Peru	246 198	251 141	259 700	252 997	281 957
China	560 000	659 200	752 600	736 100	843 700
India	47 222	45 255	36 815	49 034	39 569
Iran	79 700	101 800	101 479	133 149	90 400
Japan	1 076 283	1 160 859	1 188 776	1 119 168	1 187 959
Kazakhstan	—	*340 000	*330 000	282 900	*283 000
Korea, Dem. P.R. of	*30 000	*28 000	*20 000	*30 000	*30 000
Korea, Republic of	200 763	209 757	219 519	224 169	235 007
Oman	11 413	11 383	20 500	24 200	22 000
Philippines	115 471	145 674	165 954	154 713	158 109
Uzbekistan	—	*70 000	65 000	90 000	*80 000
Australia	272 000	316 000	333 000	335 900	269 000
World total	10 600 000	11 100 000	11 400 000	11 200 000	11 700 000

## 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) Excluding data from August to December for the Republic of Croatia

(b) As from 1992 data is for Serbia and Montenegro only

## Exports of Copper

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ore & matte	2 041	150	68	416	726
Unwrought	16 356	4 908	3 566	20 726	6 315
Unwrought alloys	21 719	24 261	22 863	24 228	26 006
Scrap	126 652	117 398	109 180	145 847	113 710
Austria					
Unwrought	41 927	46 773	56 732	59 859	...
Unwrought alloys	6 042	3 885	4 304	5 134	...
Scrap	16 583	26 929	17 458	21 289	...
Belgium-Luxembourg					
Unwrought	(h) 181 083	186 979	238 067	170 727	127 900
Unwrought alloys	7 525	8 097	6 821	11 636	...
Scrap	55 978	51 508	53 334	56 609	...
Denmark					
Unwrought	467	238	99	75	49
Scrap	22 681	28 040	39 527	41 510	52 169
Finland					
Ore	18 071	9 759	—	...	...
Unwrought					
Unrefined	24 690	37 999	32 524	27 220	13 458
Refined	19 812	19 227	21 913	20 651	24 831
Alloys	1 425	1 223	529	...	...
Scrap	6 553	20 382	23 473	...	...
France					
Ore	683	539	368	2	1 900
Matte & cement	61	94	544	5 752	...
Unwrought					
Unrefined	3 754	4 964	262	2 237	3 217
Refined	12 389	15 391	23 454	19 514	11 943
Alloys	13 306	11 891	10 225	8 707	...
Scrap	169 115	164 269	153 237	160 357	...
Germany, Federal Republic of					
Ore	70	8 285	3 127	67	22 031
Matte & cement	1 026	49	225	795	957
Unwrought					
Unrefined	470	99	45	1 105	556
Refined	62 995	59 521	89 966	152 393	134 983
Alloys	17 674	26 925	18 751	22 344	23 410
Scrap	212 555	231 537	195 281	214 076	261 043
Greece					
Unwrought	1 540	1 515	22	—	...
Scrap	2 444	3 111	2 928	...	...
Irish Republic					
Scrap	9 713	8 554	9 329	10 101	9 795
Italy					
Matte & cement	298	542	254	131	...
Unwrought	19 519	3 854	3 636	7 571	12 664
Unwrought alloys	6 545	6 189	6 081	8 383	10 068
Scrap	24 655	24 796	20 977	34 664	...
Netherlands					
Unwrought	717	729	1 108	1 449	870
Unwrought alloys	5 970	11 592	7 124	12 273	13 562
Scrap	107 608	138 415	115 262	111 298	127 085
Portugal					
Ore	694 535	696 987	666 408	555 026	517 900
Scrap	11 087	12 994	13 658	...	...
Spain					
Ore	19 967	27 604	22 911	17 574	19 000
Matte & cement	1 181	614	14	126	...
Unwrought	83 963	68 165	79 543	69 584	41 822
Unwrought alloys	1 766	1 961	4 193	4 184	...
Scrap	34 126	43 086	34 165	32 691	...

## Exports of Copper

Country	1991	1992	1993	1994	1995
Sweden					
Ore	116 722	92 711	102 013	68 271	58 039
Unwrought					
Unrefined	943	10 605	5 093	1 298	6 085
Refined	32 070	27 848	14 377	12 783	9 746
Alloys	4 463	2 361	4 430	5 187	4 827
Scrap	6 463	32 526	25 340	20 517	18 042
Belarus					
Unwrought (f)	—	*5 000	*6 700	*7 400	...
Scrap (f)	—	*6 100	*4 300	*5 200	...
Bulgaria					
Ore (f)	*15 000	*44 000	*66 800	*87 000	...
Unwrought (f)	*13 000	*34 000	*43 000	*81 000	...
Scrap	6 400	9 800	6 500	6 100	...
Croatia					
Scrap	—	44 902	3 642	...	...
Czechoslovakia					
Unwrought (f)	*13 700	*18 400	—	—	—
Scrap (f)	*18 000	*36 100	—	—	—
Czech Republic					
Unwrought	—	—	(f) *5 700	7 705	...
Scrap (f)	—	—	*25 700	...	...
Estonia					
Unwrought	—	1 200	2 900	(f) *900	...
Scrap (f)	—	*41 000	*22 200	*3 100	...
Hungary					
Unwrought	...	6 338	3 173	1 800	...
Scrap	...	17 420	14 894	17 834	...
Latvia					
Scrap (f)	—	*22 400	*23 500	*11 600	...
Lithuania					
Unwrought (f)	—	*13 800	*7 400	*5 100	...
Scrap (f)	—	*49 000	*14 300	*8 600	...
Macedonia					
Unwrought	—	...	13 452	(f) *24 900	...
Moldova					
Scrap (f)	—	*800	*3 700	*4 700	...
Norway					
Ore	91 627	57 546	44 319	32 413	32 970
Unwrought	37 755	40 027	37 092	41 691	35 493
Scrap	11 404	13 337	9 420	8 800	12 535
Poland					
Unwrought	222 820	266 829	261 000	264 516	193 800
Scrap	52 294	(f) *59 900	(f) *13 300	(f) *14 200	...
Romania					
Unwrought	...	1 505	7 462	(f) *8 100	...
Scrap (f)	...	*50	*1 200	*2 800	...
Russia					
Ore	174 531	44 936	90 563	93 484	151 946
Matte & cement	—	10 003	2 000	(f) *2 800	...
Unwrought	—	188 216	163 766	451 000	449 000
Scrap	—	7 298	15 635	2 956	20 033
Slovakia					
Unwrought	—	—	18 200	8 300	...
Scrap (f)	—	—	*600	*2 700	...
Soviet Union					
Unwrought (f)	*285 600	—	—	—	—
Scrap (f)	*33 500	—	—	—	—
Switzerland					
Unwrought					
Refined	3 131	724	2 028	1 012	79
Alloys	7 299	6 972	4 208	4 420	3 918
Scrap	25 786	26 134	31 058	37 760	42 761
Turkey					
Ore	6 100	46 248	81 475	41 233	83 834
Unwrought	4 000	9 181	16 257	5 106	3 797

## Copper

## Exports of Copper

tonnes

Country	1991	1992	1993	1994	1995
Ukraine					
Unwrought (f)	—	*17 200	*8 700	*9 700	...
Scrap	—	(f) *3 400	4 112	5 128	...
Yugoslavia (i)					
Matte	(c) 522	...	...	...	...
Unwrought	(c) 65 189	...	...	...	...
Unwrought alloys	(c) 7 671	...	...	...	...
Scrap	(c) 829	...	...	...	...
Algeria					
Scrap	9 389	11 400	4 300	1 900	...
Botswana					
Matte (b)	20 100	18 600	21 600	20 200	17 900
Morocco					
Ore	43 295	45 867	44 342	41 831	...
Matte	2 562	2 100	1 703	2 226	...
Scrap	7 954	11 120	6 900	6 600	...
Namibia					
Unwrought	30 218	34 109	30 193	26 226	25 073
Senegal					
Scrap	471	596	...	...	...
South Africa					
Ores & concentrates (b)	20 735	21 088	7 603	4 866	7 627
Unwrought	97 963	92 100	88 566	76 361	71 598
Scrap (f)	*9 300	*12 600	*29 900	*24 800	...
Tunisia					
Scrap	2 004	1 370	...	3 847	...
Uganda					
Unwrought, unrefined	—	160	220	1 546	1 286
Zaire					
Ores & concentrates	*23 000	*18 000	—	—	...
Unwrought					
Unrefined (e)	117 813	59 924	44 400	...	...
Refined	*130 000	*62 000	28 300	13 700	...
Zambia					
Unwrought, refined	382 326	411 892	436 522	360 657	291 900
Zimbabwe					
Unwrought	9 422	8 784	6 000	...	...
Canada					
Ores & concentrates (b)	324 584	317 066	295 079	218 347	260 977
Matte & cement (b)	22 211	20 060	10 743	19 205	13 480
Unwrought	378 224	385 849	408 605	388 843	471 897
Scrap	86 407	101 975	115 529	110 673	120 509
Cuba					
Concentrates (b)	2 000	2 000	1 400	2 900	1 200
Scrap (a)	3 337	1 585	1 120	1 864	...
Mexico					
Concentrates	212 310	56 537	83	8 083	31 653
Matte & cement	3 615	5 879	10 063	19 023	...
Unwrought	62 714	82 816	162 021	138 304	186 732
Scrap	16 972	28 376	35 167	47 665	...
USA					
Ores & concentrates (b)	229 467	251 857	238 831	261 000	239 000
Unwrought					
Unrefined	21 212	16 714	11 446	13 904	29 501
Refined	266 424	186 932	216 955	157 584	217 360
Alloys	9 344	9 379	23 854	17 993	16 260
Scrap	306 070	244 548	261 969	359 698	550 002
Brazil					
Unwrought, refined	63 064	79 716	79 976	55 906	58 423
Chile					
Ores & concentrates (b)	503 100	630 900	654 000	687 700	815 200
Unwrought					
Unrefined	92 500	127 000	139 600	198 100	178 200
Refined	1 130 500	1 178 000	1 189 100	1 193 300	1 400 600
Scrap	1 500	400	600	2 400	1 600

## Exports of Copper

Country	1991	1992	1993	1994	1995
Colombia					
Ore	12 398	6 953	5 076	3 003	...
Peru					
Ore (f)	*127 500	*160 700	*77 200	*195 700	...
Unwrought					
Unrefined	100 979	88 717	92 888	98 023	89 390
Refined	207 512	214 506	217 514	218 260	251 857
Venezuela					
Scrap	10 037	10 399	13 543	12 300	...
China					
Unwrought	8 711	12 320	6 439	11 474	34 200
Scrap	(f) *27 000	23 114	18 037	15 860	19 000
Cyprus					
Cement copper	500	300	440	—	...
Scrap	140 329	92 544	960	399 394	33 336
of which: Re-exports	140 329	92 544	960	380 644	19 916
Hong Kong					
Unwrought	14 382	44 638	40 995	20 036	32 786
of which: Re-exports	14 260	44 523	40 912	19 970	32 642
Scrap	111 755	209 817	181 792	167 528	306 390
of which: Re-exports	38 619	94 781	92 619	89 626	205 673
India (g)					
Ores & concentrates	20	—	7 972	6 599	...
Indonesia					
Ores & concentrates	600 571	965 911	922 508	1 075 634	1 412 057
Iran					
Unwrought (f)	*13 000	*36 100	*53 300	*18 900	...
Scrap (f)	*3 200	*4 500	*2 500	*1 300	...
Israel					
Scrap	3 246	2 696	5 974	9 013	...
Japan					
Unwrought	87 267	111 970	171 376	124 843	158 727
Scrap	9 186	24 451	19 975	39 868	37 100
Jordan					
Scrap	4 918	2 866	2 034	2 200	...
of which: Re-exports	438	9	87	...	...
Kazakhstan					
Ores & concentrates	—	5 956	5 543	...	...
Unwrought	—	105 661	114 773	122 489	216 602
Korea, Republic of					
Unwrought	151	13 813	6 599	7 254	4 601
Scrap	2 819	11 262	4 520	8 005	14 333
Kyrgyzstan					
Scrap (f)	—	*500	*2 500	*15 400	...
Malaysia					
Ore	97 068	104 378	108 353	97 623	...
Scrap	20 068	19 488	16 159	51 800	...
Mongolia					
Ores & concentrates (b)	*90 100	*105 100	*96 900	*99 600	*120 200
Myanmar (g)					
Ores & concentrates	19 576	17 230	...	...	...
Oman					
Unwrought	10 811	12 399	20 326	23 000	...
Scrap	67 951	75 000	75 100	79 600	...
Pakistan (d)					
Scrap	786	409	36 926	35 341	...
Philippines					
Ores & concentrates	396 962	350 326	370 789	347 414	...
Unwrought	98 047	98 056	136 920	145 464	119 777
Scrap	46 696	26 839	29 772	9 734	...
Saudi Arabia					
Unwrought	2 629	1 298	...	62 840	...
Scrap	8 540	8 838	...	1 475	...
Singapore					
Unwrought	58 632	94 067	87 778	97 835	199 112
of which: Re-exports	58 464	83 788	87 251	96 354	197 224
Scrap	41 847	43 014	43 107	47 892	59 111

## Copper

**Exports of Copper**

tonnes

Country	1991	1992	1993	1994	1995
Taiwan					
Unwrought	3 991	7 725	8 436	6 942	6 870
Scrap	15 991	22 614	19 139	27 785	30 202
Australia					
Ores & concentrates	212 000	271 400	396 600	435 000	391 000
Matte & cement (d)	6 182	3 289	4 127	...	...
Unwrought					
Unrefined	3 207	11 328	10 115	5 817	17
Refined	173 700	178 100	156 400	176 000	106 000
Alloys (d)	1 594	1 328	2 357	...	...
Scrap (d)	14 676	17 282	16 785	...	...
New Zealand (d)					
Unwrought	243	170	62	628	...
Scrap	4 708	2 942	2 148	1 402	1 200
Papua New Guinea					
Ores & concentrates (b)	193 700	171 216	203 184	206 368	227 856

## 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) Data for the Federal Republic of Yugoslavia only
- (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) Refined only
- (i) As from 1992 data is for Serbia and Montenegro only

## Imports of Copper

Country	1991	1992	1993	1994	1995
United Kingdom					
Ore & matte	2 536	2 123	196	75	367
Unwrought					
Unrefined	31 567	8 094	10 273	9 470	1 973
Refined	242 657	278 223	378 614	259 033	273 801
Alloys	2 297	2 195	4 815	1 754	3 409
Scrap	16 356	23 220	27 389	27 555	40 362
Austria					
Unwrought					
Unrefined	8 009	6 172	3 443	6 626	...
Refined	5 756	8 803	14 066	31 862	...
Alloys	2 588	2 890	2 400	2 350	...
Scrap	59 836	63 642	42 310	62 053	...
Belgium-Luxembourg					
Ore	3 150	322	6 885	1 643	7 200
Unwrought					
Unrefined	161 730	171 100	163 505	147 603	98 600
Refined	235 950	194 236	149 604	169 038	183 400
Alloys	23 440	9 352	8 072	6 266	5 000
Scrap	201 245	208 722	169 222	196 638	...
Denmark					
Unwrought	146	51	125	64	206
Unwrought alloys	2 652	1 481	1 636	1 821	1 686
Scrap	19 650	21 183	26 651	13 363	10 351
Finland					
Ore	304 188	318 940	324 384	292 784	293 677
Unwrought					
Refined	19 074	9 656	18 459	34 261	38 565
Alloys	1 000	1 267	2 611	4 100	3 300
Scrap	6 379	40 684	29 063	9 800	16 200
France					
Ore	4 455	45	0	24	...
Matte & cement	369	854	460	1 530	...
Unwrought					
Unrefined	12 598	15 707	13 656	5 993	4 214
Refined	436 732	444 410	438 249	462 694	494 436
Alloys	7 951	5 363	6 310	10 524	11 100
Scrap	69 198	75 288	64 172	77 228	70 400
Germany, Federal Republic of					
Ore	523 295	576 813	506 447	652 833	663 299
Matte & cement	19 717	22 787	7 721	12 728	9 571
Unwrought					
Unrefined	59 749	56 048	67 954	84 797	49 644
Refined	556 500	532 522	496 751	523 105	542 824
Alloys	68 003	67 984	33 957	44 316	59 563
Scrap	322 879	452 555	360 125	411 367	441 418
Greece					
Unwrought	48 986	49 571	66 900	62 331	73 000
Unwrought alloys	1 268	1 331	1 251	...	...
Scrap	689	809	263	300	400
Irish Republic					
Unwrought	334	160	563	234	236
Scrap	483	335	630	999	468
Italy					
Unwrought					
Unrefined	3 165	1 943	2 366	6 314	14 290
Refined	406 596	435 668	402 739	396 630	405 947
Alloys	27 603	30 181	18 887	26 367	30 500
Scrap	175 057	210 634	180 429	237 565	205 980
Netherlands					
Unwrought	18 333	18 835	16 655	33 871	32 300
Unwrought alloys	1 419	1 912	1 056	843	1 100
Scrap	95 818	108 765	94 793	103 876	104 000
Portugal					
Unwrought	27 303	22 889	12 977	6 227	200
Scrap	396	207	649	400	100

## Imports of Copper

tonnes

Country	1991	1992	1993	1994	1995
Spain					
Ore	464 853	412 428	476 001	520 196	469 083
Matte & cement	111	377	60	—	—
Unwrought					
Unrefined	35 649	24 981	30 203	23 636	30 918
Refined	26 403	28 344	34 794	19 290	25 660
Alloys	5 569	3 769	4 794	5 713	4 600
Scrap	34 430	30 219	42 364	43 201	50 300
Sweden					
Ore	23 978	62 860	37 501	38 109	47 387
Matte & cement	2 572	0	—	0	—
Unwrought	61 554	49 218	54 615	53 140	64 445
Unwrought alloys	4 325	4 284	3 360	4 839	3 022
Scrap	44 320	22 647	23 800	31 769	33 671
Bulgaria					
Ores & concentrates	(a) *50 500	57 000	...	79 800	...
Unwrought	5 600	12 500	(a) *6 200	8 800	...
Czechoslovakia					
Unwrought	12 000	13 561	—	—	—
Czech Republic					
Unwrought	—	—	10 895	10 003	...
Hungary					
Unwrought	20 000	15 320	17 533	18 872	...
Scrap	...	3 636	2 805	2 049	...
Norway					
Unwrought	364	97	100	220	545
Unwrought alloys	2 771	3 155	2 513	2 412	2 720
Scrap	4 908	3 664	6 290	5 838	4 743
Poland					
Unwrought	112	201	2 300	1 194	...
Romania					
Unwrought	1 932	1 075	694	281	2 059
Russia					
Ore	—	202 032	116 518	76 778	96 300
Slovakia					
Unwrought (a)	—	—	*400	*6 700	...
Switzerland					
Unwrought					
Refined	7 450	5 445	5 158	6 235	5 188
Alloys	1 484	1 536	1 764	1 753	1 688
Scrap	8 402	11 003	9 381	11 515	13 243
Turkey					
Unwrought	49 708	38 805	70 802	58 900	63 676
Scrap	227	2 486	1 544	1 630	7 539
Yugoslavia (f)					
Unwrought	(b) 7 899	6 759	...	...	...
Unwrought alloys	(b) 686	415	...	...	...
Scrap	(b) 73	20	...	...	...
Algeria					
Unwrought	112	1 046	...	1 217	...
Morocco					
Unwrought	743	661	578	809	...
Scrap	3 978	6 772	...	...	...
Namibia					
Ores & concentrates (d)	1 137	1 447	917	4 516	3 903
South Africa					
Ores & concentrates	24	8	742	4 710	94
Matte & cement	1 538	8 169	3 095	3 018	—
Unwrought	210	162	391	954	3 944
Unwrought alloys	283	541	286	237	293
Scrap	1 894	8 583	8 562	4 410	5 600
Tunisia					
Unwrought	1 036	1 212	1 471	1 551	...
Zambia					
Ores & concentrates (d)	13 240	9 450	21 424	13 786	...



## Imports of Copper

Country	1991	1992	1993	1994	1995
Canada					
Ores & concentrates (d)	69 809	96 363	132 716	180 882	148 638
Unwrought	16 334	30 098	30 028	34 083	59 402
Unwrought alloys	3 594	3 379	2 474	2 770	8 556
Scrap	47 704	42 182	53 711	98 452	167 236
Cuba					
Unwrought	5 000	3 000	3 000	...	...
Mexico					
Unwrought	31 700	33 634	46 494	40 052	...
Scrap	10 414	3 877	6 439	6 147	...
USA					
Ores & concentrates (d)	60 766	102 122	36 957	81 900	127 000
Matte (d)	1 732	6 116	1 242	6	1 086
Unwrought					
Unrefined	60 750	58 632	99 378	120 199	159 250
Refined	288 586	289 078	344 179	466 751	429 111
Alloys	3 200	12 975	11 887	17 024	14 575
Scrap	125 855	168 729	199 850	193 886	221 675
Argentina					
Unwrought, refined	27 451	40 667	40 334	40 224	...
Brazil					
Ores & concentrates	408 029	414 517	393 605	433 968	...
Unwrought	75 919	80 513	67 239	67 079	91 846
Scrap	2 920	2 178	3 081	7 491	21 145
Colombia					
Unwrought	1 288	858	1 024	697	...
Venezuela					
Unwrought					
Refined	20 890	18 643	13 762	14 100	17 700
Alloys	306	665	403	*200	...
China					
Ores & concentrates	309 786	340 093	241 134	248 708	484 279
Unwrought	113 967	378 996	362 396	121 407	187 526
Scrap	78 358	491 411	568 642	773 856	1 197 226
Hong Kong					
Unwrought	20 337	56 195	55 046	23 266	51 263
Scrap	92 467	201 487	163 225	158 762	340 704
India (e)					
Unwrought	49 740	52 431	88 960	84 761	...
Scrap	64 154	51 470	97 784	85 070	...
Indonesia					
Unwrought	49 322	51 812	48 432	87 995	86 855
Unwrought alloys	527	3 914	1 847	2 923	...
Scrap	3 232	2 634	4 634	2 629	...
Japan					
Ores & concentrates	3 786 873	3 469 611	3 740 807	3 457 054	3 860 341
Matte & cement	438	90	401	1 945	...
Unwrought	658 722	400 657	403 463	402 723	410 794
Unwrought alloys	10 893	7 812	12 953	9 662	8 245
Scrap	153 426	97 672	142 887	156 367	153 023
Korea, Republic of					
Ore	429 317	244 173	571 187	426 421	468 714
Matte & cement	3 530	1 972	2 746	2 448	—
Unwrought	199 673	222 515	258 871	351 783	391 902
Scrap	220 544	156 562	132 209	123 278	151 414
Kuwait					
Unwrought	...	4 552	9 928	10 673	9 223
Malaysia					
Unwrought	67 103	80 187	94 466	110 242	...
Pakistan (c)					
Unwrought	6 230	3 804	4 220	4 386	...
Scrap	3 222	4 679	3 660	3 476	...
Philippines					
Concentrates	272 910	270 552	371 318	420 862	...
Unwrought	4 225	9 958	20 457	28 407	...

## Copper

## Imports of Copper

tonnes

Country	1991	1992	1993	1994	1995
Saudi Arabia					
Unwrought	51 335	57 962	58 443	88 749	...
Singapore					
Unwrought	84 053	135 979	106 684	93 805	261 525
Scrap	14 748	18 720	16 480	16 178	21 770
Taiwan					
Unwrought	404 984	431 270	489 173	558 851	579 635
Scrap	39 596	23 819	16 769	15 424	26 150
Thailand					
Unwrought	68 953	91 319	122 544	177 013	...
Scrap	1 331	5 104	6 106	1 686	700
Australia					
Ores & concentrates (c)	3 366	14 206	45 354	...	...
Unwrought	700	500	200	11 900	27 700
Scrap (c)	5 362	4 485	3 210	...	...
New Zealand (c)					
Unwrought	5 031	3 973	5 234	6 090	...

## 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) Data for the Federal Republic of Yugoslavia only
  - (c) Years ended 30 June of that stated
  - (d) Cu content
  - (e) Years ended 31 March following that stated
  - (f) As from 1992 data is for Serbia and Montenegro only

## Production of Diamond

Country	1991	1992	1993	1994	1995
Russia	—	*18 000 000	*16 000 000	*17 200 000	...
Soviet Union	*20 000 000	—	—	—	—
Angola	960 559	1 219 890	151 471	125 867	...
Botswana	16 506 000	15 946 000	14 730 000	15 538 000	16 802 438
Central African Republic	429 734	414 277	494 922	495 000	600 000
Ghana	687 736	694 029	590 821	739 969	631 337
Guinea	*97 000	(b) 195 066	(b) 472 049	500 000	500 000
Ivory Coast (a)	*15 000	*15 000	*15 000	*15 000	*15 000
Liberia	*100 000	*150 000	*150 000	*100 000	...
Namibia	1 186 874	1 549 260	1 141 352	1 312 348	1 381 758
Sierra Leone	251 534	344 082	200 300	255 000	60 000
South Africa	8 431 389	10 177 283	10 324 025	10 853 653	9 682 700
Swaziland	57 420	50 547	61 686	76 100	...
Tanzania	99 762	67 304	40 847	17 177	16 000
Zaire	*18 300 000	13 501 450	15 626 000	16 252 000	17 300 000
Zimbabwe	—	40 654	43 850	150 683	223 628
Brazil	1 546 800	1 285 402	*1 000 000	*300 000	*700 000
Guyana	29 290	45 980	50 004	35 120	52 014
Venezuela	337 022	486 935	410 750	558 448	292 952
China	*1 000 000	*1 000 000	*1 080 000	*1 080 000	...
India	17 660	18 000	19 228	26 265	...
Indonesia	*32 000	*27 000	*27 000	*28 000	...
Australia	35 956 000	40 172 000	41 883 000	43 789 000	40 693 000
World total	106 000 000	105 400 000	104 500 000	109 500 000	107 600 000

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	1991	1992	1993	1994	1995
United Kingdom					
Rough	42 000 201	33 130 647	58 187 659	38 325 936	56 414 150
Cut	210 863	135 153	174 052	1 693 999	208 070
Industrial	13 675 479	7 594 918	4 123 611	8 178 825	12 087 999
Dust	20 858 820	16 277 700	19 201 420	32 467 050	33 769 340
Austria					
Industrial	965 000	435 000	100 000	275 000	...
Other	150 000	45 000	30 000	95 000	...
Belgium-Luxembourg					
Rough	76 041 911	68 624 367	84 245 755	22 794	...
Cut	4 743 900	4 661 404	5 267 466	84 921 860	...
Industrial	12 493 222	11 289 033	9 965 023	7 682 865	...
Dust	16 413 585	15 582 490	18 281 675	23 813 690	...
Finland					
Industrial	10 000	...	80 000	...	...
Other	20 000	5 000	25 000	...	...
France					
Rough	6 508	11 448	6 683	153	...
Cut	24 835	24 311	29 549	35 862	...
Industrial	128 957	30 533	37 519	26 843	...
Dust	1 490 435	1 751 985	607 447	22 233 995	...
Germany, Federal Republic of					
Industrial	136 038	96 221	188 635	1 263 256	89 225
Dust	21 520 000	22 855 000	38 515 000	68 190 000	76 790 000
Other	137 392	155 686	136 070	129 621	219 365
Irish Republic					
Industrial	1 075 000	7 865 000	1 375 000	16 175 000	5 010 000
Italy					
Industrial	186 613	50 573	52 677	19 879	...
Dust	3 000 000	1 965 000	4 125 000	3 930 000	...
Other	274 430	635 569	100 684	29 898	...
Netherlands					
Rough	184 059	156 990	82 070	12 776	...
Cut	56 741	61 062	75 500	35 416	...
Industrial	228 287	107 506	171 707	238 589	...
Dust	705 875	281 005	525 735	625 000	...
Portugal	£48 559 000	£40 292 000	£46 044 000	...	...
Spain					
Industrial	223 474	108 165	214 143	719	...
Other	2 849	920	3 248	5 320	...
Sweden					
Industrial	£61 000	£32 000	£53 000	83 000	...
Other	£734 000	£1 200 000	£749 000	526 000	...
Malta	£1 546 000	£429 000	£29 000	—	...
Russia	—	8 496 000	11 303 000	26 400 000	40 400 000
Soviet Union					
Diamond (b)	*688 100	—	—	—	—
Dust (b)	*6 985 900	—	—	—	—
Switzerland					
Industrial	285 000	10 000	15 000	1 345 000	185 000
Dust	25 865 000	28 560 000	35 840 000	39 265 000	44 750 000
Other	7 355 000	5 650 000	6 350 000	5 095 000	4 730 000
Central African Republic					
Gem	305 950	311 684	390 137	...	...
Industrial	122 141	102 245	104 785	...	...
Mauritius	£14 441 800	£12 001 100	£17 736 400	...	...
Namibia	1 134 270	1 326 114	1 314 018	1 130 768	1 569 273
Sierra Leone	250 170	313 300	155 500	208 800	...
South Africa (c)					
Industrial	£21 817 000	(f) ...	(f) ...	(f) ...	...
Other	£769 661 000	£1 175 759 000	£1 932 457 000	£1 763 497 000	...
Tunisia					
Industrial	70 000	...	...	125 000	...
Other	455 000	...	...	...	...

## Exports of Diamond

Country	1991	1992	1993	1994	1995
Canada					
Cut	29 303	38 460	28 834	43 986	42 325
of which: Re-exports	19 928	26 117	21 551	25 866	28 331
Industrial	82 252	44 890	15 857	62 115	41 896
of which: Re-exports	56 754	25 172	15 745	42 732	18 437
Dust	2 887 771	5 878 169	504 994	1 030 164	545 341
of which: Re-exports	2 785 047	5 449 978	382 776	835 589	374 217
USA					
Rough	2 702 270	3 028 999	...	...	...
of which: Re-exports	2 239 814	2 361 803	...	...	...
Cut	1 010 609	916 185	...	...	...
of which: Re-exports	839 638	643 264	...	...	...
Industrial	4 273 235	6 197 790	...	...	...
of which: Re-exports	2 246 959	3 043 249	...	...	...
Dust	3 254 850	2 957 464	...	...	...
of which: Re-exports	404 524	1 201 707	...	...	...
Brazil					
Rough	*200 000	150 662	186 349	30 479	...
Gem	...	22 662	40 147	88 903	...
China					
Industrial	40 240	1 436 035	8 096 650	9 589 490	...
Other	206 060	309 100	409 415	435 205	...
Hong Kong					
Rough (e)	361 343	1 217 168	826 532	2 045 003	1 104 799
Cut	1 461 352	1 607 064	1 664 653	2 017 780	2 069 739
of which: Re-exports	1 456 298	1 597 460	1 643 536	1 997 075	2 011 831
Industrial (e)	215 606	132 319	35 419	2 199 571	2 438 035
India (d)					
Gem	8 026 725	10 252 715	13 499 544	15 361 520	...
Israel					
Industrial	£1 932 000	£1 053 000	£928 000	£3 653 000	...
Other	£1 883 856 000	£2 070 402 000	£2 689 837 000	£3 194 183 000	...
Japan					
Industrial	598 841	1 366 694	1 165 273	2 144 122	...
Dust	6 426 903	6 270 220	9 100 802	8 504 300	...
Other	2 905	53 170	51 418	5 720	...
Korea, Republic of	2 845	306 140	12 600	50 000	...
Malaysia					
Cut	£40 880 000	£43 372 000	£51 883 000	...	...
Other	£1 206 000	£1 294 000	£696 000	...	...
Singapore					
Rough	£217 000	—	£42 000	£36 000	£19 000
of which: Re-exports	£201 000	—	£42 000	—	—
Cut	£55 464 000	£45 626 000	£32 254 000	£32 393 000	£70 073 000
of which: Re-exports	£55 178 000	£44 467 000	£30 861 000	£31 732 000	£67 414 000
Industrial	£721 000	£11 336 000	£56 302 000	£46 187 000	£29 232 000
of which: Re-exports	£654 000	£11 259 000	£54 103 000	£46 044 000	£25 350 000
Sri Lanka					
Industrial	8 821	14 981	144 043	18 886	...
Other	778 139	288 173	3 002 380	417 783	...
Taiwan					
Industrial	1 610 000	2 185 000	7 725 000	2 115 000	8 800 000
Dust	1 530 000	43 245 000	18 625 000	11 950 000	8 720 000
Other	15 395 000	150 000	30 000	165 000	790 000
Thailand					
Industrial	82 138	24 884	275 879	36 629	...
Dust	5 455 400	...	...	...	...
Other	924 660	3 897 290	12 490 873	2 651 973	...
Australia					
Rough	...	...	32 009 000	33 633 000	32 245 000
Gem (a)	1 485 000	954 000	668 000	3 022 000	31 000
Industrial	127 000	198 000	167 000	174 000	64 000

**Exports of Diamond**

carats

Country	1991	1992	1993	1994	1995
New Zealand					
Cut	£717 000	£431 000	£704 000	£199 000	...
of which: Re-exports	£593 000	£382 000	£700 000	£199 000	...

## 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) Excluding unsorted rough diamonds
- (b) BGS estimates, based on known imports into certain countries
- (c) Values shown are for the common customs area
- (d) Years ended 31 March following that stated
- (e) Re-exports
- (f) Included with 'other' diamonds

## Imports of Diamond

Country	1991	1992	1993	1994	1995
United Kingdom					
Industrial	£14 303 092	£10 423 189	£252 033 000	£56 449 830	£11 402 000
Other	£1 928 425 927	£1 803 221 578	£2 465 110 000	£2 584 688 955	£2 809 087 000
Austria					
Industrial	130 000	2 010 000	235 000	250 000	...
Dust	7 315 000	6 965 000	8 070 000	11 975 000	...
Other	35 000	625 000	175 000	185 000	...
Belgium-Luxembourg					
Rough	70 841 435	65 094 082	85 548 262	12 547 551	...
Cut	4 577 689	4 247 970	5 058 935	57 012 847	...
Industrial	27 221 175	24 452 829	25 704 141	17 746 248	...
Dust	20 170 745	23 046 525	28 681 045	35 405 820	...
Finland					
Industrial	95 000	140 000	70 000	...	...
Other	15 000	5 000	20 000	...	...
France					
Rough	36 370	18 591	667 011	23 970	...
Cut	219 165	199 890	216 759	241 319	...
Industrial	268 256	185 234	223 899	119 955	...
Dust	7 088 875	8 597 390	2 680 487	14 090 090	...
Germany, Federal Republic of					
Rough	6 332	4 927	702	—	24
Cut	562 680	463 672	426 688	464 196	532 259
Industrial	691 414	936 707	560 512	2 324 416	561 634
Dust	41 800 000	46 460 000	44 190 000	60 695 000	45 655 000
Greece					
Industrial	80 450	12 000	60 000	...	...
Dust	3 695 000	3 605 000	...	...	...
Other	166 077	16 386	960 000	...	...
Irish Republic					
Industrial	38 770 000	12 835 000	122 745 000	119 645 000	124 525 000
Dust	5 550 000	4 250 000	4 400 000	...	—
Other	865 000	2 250 000	6 310 000	59 600 000	9 530 000
Italy					
Industrial	367 437	237 651	425 397	626 054	...
Dust	33 330 000	111 325 000	43 895 000	50 985 000	...
Other	337 198	876 095	342 120	339 429	...
Netherlands					
Rough	124 387	78 790	42 475	18 269	...
Cut	113 429	86 757	41 460	52 249	...
Industrial	274 733	239 973	262 299	365 841	...
Dust	1 038 345	1 054 830	1 672 360	1 220 000	...
Portugal	£30 687 000	£26 750 000	£41 235 000	...	...
Spain					
Rough	1 244	55	1 217	788	...
Industrial	623 865	964 755	295 606	410 114	...
Dust	6 398 625	9 014 630	16 266 410	19 677 700	...
Other	120 066	571 870	634 377	439 015	...
Sweden					
Industrial	£632 000	£313 000	£407 000	£374 000	...
Other	£3 919 000	£3 267 000	£3 400 000	£2 911 000	...
Bulgaria (a)	*21 700	*13 900	...	*29 900	...
Czechoslovakia (a)	*5 300	*4 300	—	—	—
Malta					
Rough	£2 556 000	£1 568 000	£199 000	£89 000	...
Industrial	£1 000	£114 000	£1 262 000	£2 093 000	...
Norway					
Industrial	30 000	210 000	330 000	205 000	400 000
Other	10 000	20 000	30 000	35 000	5 000
Romania	25 771	175 838	832 019	928 247	248 852
Switzerland					
Industrial	255 000	385 000	410 000	580 000	690 000
Dust	38 685 000	38 950 000	47 090 000	55 705 000	65 190 000
Other	8 270 000	6 115 000	5 870 000	5 260 000	3 395 000
Turkey					
Industrial	115 000	50 000	180 000	35 000	95 000
Other	1 275 000	4 100 000	3 440 000	920 000	3 795 000

## Diamond

## Imports of Diamond

carats

Country	1991	1992	1993	1994	1995
Yugoslavia (e)					
Industrial	(d) £183 000	£145 000	...	...	...
Other	(d) —	£19 000	...	...	...
Mauritius					
Industrial	£432 700	£130 000	£140 000	...	...
Other	£12 670 900	£11 394 500	£17 794 000	...	...
South Africa					
Rough	4 192 565	179 960	834 050	710 830	462 005
Cut	16 825	10 195	5 290	6 370	5 595
Industrial	1 194 635	866 650	1 177 070	965 335	678 343
Tunisia					
Industrial	80 000	...	...	20 000	...
Dust	580 000	...	...	5 000	...
Other	325 000	...	...	120 000	...
Zambia					
Industrial	435 000	...	...	...	...
Canada					
Cut	240 826	194 890	181 805	231 605	211 272
Industrial	1 023 704	1 088 719	1 030 636	1 516 829	1 494 537
Dust	226 216	221 625	303 687	356 946	409 264
Other	£25 243 000	£24 747 000	£29 618 000	£21 562 000	£14 485 000
Costa Rica					
Industrial	60 000	25 000	40 000	350 000	...
Mexico					
Industrial	...	1 960 000	5 930 000	569 475	...
Dust	...	21 830 000	2 600 000	1 725 120	...
Panama	145 000	290 000	185 000	...	...
USA					
Rough	1 846 237	1 638 784	1 784 295	1 440 000	...
Cut	6 691 310	7 724 266	9 734 958	10 680 000	...
Industrial	8 840 456	11 901 572	7 196 508	...	...
Dust	10 863 584	10 736 444	8 077 382	11 000 000	...
Brazil					
Cut	5 000	...	...	...	...
Industrial	85 000	...	...	...	...
Dust	4 870 000	...	...	...	...
Chile					
Industrial	255 835	281 190	222 960	234 825	162 145
Colombia					
Industrial	380 000	300 000	...	...	...
Venezuela					
Cut	410 000	1 910 000	3 700 000	...	...
Industrial	2 175 000	3 810 000	...	...	...
Abu Dhabi	70 000	95 000	210 000	...	...
China					
Industrial	430 290	2 104 160	1 425 760	866 650	...
Dust	...	7 820 000	2 883 250	1 144 800	...
Other	293 560	1 073 570	947 240 (f)	1 651 260	...
Cyprus	£4 622 000	£6 399 000	£6 293 000	£8 890 000	£3 962 000
Hong Kong					
Rough	878 085	563 316	957 167	1 247 478	...
Cut	2 733 564	3 359 645	4 648 500	5 765 215	...
Industrial	217 445	830 160	748 583	2 846 977	...
India (c)					
Rough	63 895 598	80 018 535	79 122 151	39 213 800	...
Israel					
Rough	£1 290 261 000	£1 465 266 000	£1 995 587 000	£2 275 434 000	...
Cut	£240 524 000	£278 226 000	£362 328 000	£417 663 000	...
Industrial	£6 840 000	£6 387 000	£8 921 000	£12 672 000	...
Dust	£4 040 000	£1 707 000	£4 810 000	£5 986 000	...



## Imports of Diamond

Country	1991	1992	1993	1994	1995
Japan					
Rough	34 038	37 887	36 976	4 226	...
Cut	3 044 706	2 869 714	3 261 105	3 714 455	...
Industrial	710 149	684 684	1 173 477	500 976	...
Dust	2 158 125	1 538 584	1 540 643	1 838 027	...
Korea, Republic of					
Industrial	15 439 110	11 465 885	461 985	100 000	...
Dust	38 940	71 170	1 701 590	40 000	...
Other	35 540	47 320	97 005	10 000	...
Malaysia					
Rough	£37 190 000	£42 496 000	£47 467 719	...	...
Cut	£17 080 000	£26 542 000	£29 284 000	...	...
Industrial	£294 000	£557 000	£1 273 000	...	...
Philippines					
Industrial	55 523	58 950	32	35	...
Qatar	505 000	18 505	365 945	...	...
Saudi Arabia					
Industrial	30 000	510 000	...	...	...
Other	50 000	36 000	43 000	...	...
Singapore					
Rough	£136 000	£42 000	£81 000	£42 000	£554 000
Cut	£118 129 000	£108 548 000	£106 545 000	£156 528 000	£269 328 000
Industrial	£1 688 000	£24 900 000	£93 312 000	£37 700 000	£12 303 000
Sri Lanka					
Industrial	93 776	84 844	140 217	129 631	...
Other	655 437	426 407	1 328 759	1 646 553	...
Taiwan					
Industrial	290 000	265 000	650 000	235 000	140 000
Dust	19 125 000	14 080 000	36 200 000	23 805 000	30 940 000
Other	1 850 000	105 000	175 000	470 000	910 000
Thailand					
Rough	429 958	1 065 246	10 923 016	4 649 965	...
Cut	2 403 514	3 885 311	12 087 341	12 880 564	...
Industrial	305 639	8 933 958	376 843	492 384	...
Dust	2 920 930	11 859 920	21 709 740	14 452 695	...
Australia					
Rough	9 000	10 000	10 000	10 000	7 000
Gem	167 000	144 000	124 000	178 000	184 000
Industrial	2 546 000	1 544 000	1 299 000	1 388 000	1 521 000
Dust	741 000	854 000	924 000	1 131 000	1 001 000
New Zealand (b)					
Industrial	£9 000	£25 000	£57 000	£55 000	...
Other	£3 591 000	£3 963 000	£4 638 000	£5 663 000	...

## 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

(d) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

(f) Including industrial

(g) Including cut

## Production of Diatomite

tonnes

Country	1991	1992	1993	1994	1995
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	*90 000	*85 000	*90 000	*90 000
Germany, Federal Republic of	44 300	47 300	*50 000	*52 000	*50 000
Italy	*23 000	*26 000	*25 000	*25 000	*25 000
Portugal	2 410	1 850	1 860	2 150	*2 000
Spain (b)	*60 000	36 000	*38 000	*36 000	*36 000
Czech Republic	—	—	39 000	40 000	29 000
Georgia	—	*75 000	*50 000	*30 000	...
Iceland	23 016	19 946	*19 000	*20 000	*20 000
Romania	*30 000	14 530	9 972	10 100	*10 000
Soviet Union (g)	*220 000	*190 000	*150 000	*120 000	*110 000
Yugoslavia (f)	*4 000	—	—	—	—
Algeria	3 629	2 671	3 471	*4 000	*4 000
Kenya	2 395	2 142	*2 000	*2 000	*1 000
South Africa	2 352	576	—	...	...
Canada	2 500	1 800	600	...	...
Costa Rica	7 100	7 500	7 300	*7 000	*7 000
Mexico	45 966	46 443	46 077	52 100	55 226
USA (c)	610 000	595 000	599 000	613 000	687 000
Argentina	6 132	5 363	3 096	6 260	4 928
Brazil (e)	13 566	17 986	*18 000	*18 000	*18 000
Chile	5 557	5 897	5 774	10 129	11 451
Colombia	3 890	4 356	*4 000	*4 000	*4 000
Peru	25 500	*25 000	*25 000	*25 000	*25 000
Korea, Republic of	91 126	76 775	67 000	*70 000	*80 000
Thailand	7 328	10 425	8 290	5 874	*6 000
Australia	*11 000	*11 000	*11 000	*11 000	*11 000
World total	1 430 000	1 330 000	1 310 000	1 320 000	1 380 000

## Note(s):

(1) In addition to the countries listed, former Czechoslovakia, 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) As from 1992 data is for Serbia and Montenegro only
- (g) Dissolved in December 1991. Other than data for Georgia, no information is available on which to estimate for other countries

## Exports of Diatomite

Country	1991	1992	1993	1994	1995
United Kingdom	539	1 092	543	699	1 049
Austria	5 914	6 021	4 701	7 215	...
Belgium-Luxembourg	2 665	3 359	2 630	4 831	...
Denmark	85 424	*87 500	84 270	80 246	—
France	35 767	36 595	29 199	30 323	...
Germany, Federal Republic of	1 930	2 138	2 178	13 317	6 788
Italy	1 872	1 343	2 336	1 113	...
Netherlands	778	1 552	995	804	...
Spain	2 250	6 334	4 759	1 166	...
Sweden	37	152	330	543	...
Czechoslovakia (a)	*4 700	*4 800	—	—	—
Czech Republic	—	—	5 827	6 591	7 714
Hungary	(a) *100	188	108	102	...
Iceland	21 788	19 172	19 555	24 560	...
Turkey	640	—	57	28	45
Algeria	452	—	—	—	...
Mexico	7 727	9 211	9 601	8 924	...
USA	152 599	163 377	164 619	157 178	143 761
Chile	2 205	5 083	2 799	3 739	4 867
China	37 659	85 165	77 093	85 109	...
Hong Kong (b)	1 837	3 013	5 719	6 288	3 844
Japan	2 374	3 534	2 631	2 760	...
Korea, Republic of	183	256	36	7	...
Singapore (b)	412	384	736	608	417
Taiwan	528	482	162	159	1 584
Australia (c)	154	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	1991	1992	1993	1994	1995
United Kingdom	33 471	36 337	12 102	13 814	16 530
Austria	13 404	14 626	14 621	16 785	...
Belgium-Luxembourg	19 684	16 527	18 096	10 970	...
Denmark	4 915	4 757	6 105	5 202	4 825
Finland	2 913	2 782	3 119	...	...
France	17 458	20 483	21 392	11 716	...
Germany, Federal Republic of	50 795	50 482	45 762	45 988	49 552
Greece	2 670	2 307	2 007	...	...
Irish Republic	276	233	392	345	247
Italy	7 240	7 798	6 796	6 890	...
Netherlands	22 214	22 484	10 488	9 840	...
Portugal	3 406	3 497	726	...	...
Spain	3 702	4 115	3 944	4 020	...
Sweden	2 351	2 362	3 047	3 595	...
Bulgaria (b)	*1 600	*1 300	*500	*900	...
Croatia	—	387	439	...	...
Czechoslovakia (b)	*1 400	*1 400	—	—	—
Czech Republic	—	—	1 506	2 090	2 718
Hungary	...	1 140	871	2 604	...
Norway	1 602	1 663	998	1 396	1 079
Poland (b)	*2 200	*4 200	*6 700	*5 800	*4 000
Romania	1 039	1 705	1 779	1 422	1 771
Switzerland	6 073	5 254	5 456	4 838	3 930
Turkey	380	391	659	703	1 109
Yugoslavia (f)	(e) 841	548	...	...	...
Algeria	100	...	...	...	...
Cameroon	*383	...	*381	*352	...
Morocco	362	1 034	...	...	...
South Africa	2 407	2 592	3 327	3 873	3 439
Tunisia	3 699	909	...	1 089	...
Canada	22 250	21 389	22 265	23 954	22 283
Costa Rica	143	180	341	1 159	...
El Salvador	301	390	522	631	...
Guatemala	427	820	1 144	1 595	...
Honduras	470	372	...	464	...
Mexico	406	498	1 137	1 311	...
Panama	532	588	643	479	...
USA	436	182	1 822	379	259
Argentina	2 637	...	...	...	...
Brazil	2 847	2 377	3 186	1 408	...
Colombia	1 061	1 874	1 423	2 157	...
Ecuador	327	3 579	125	...	...
Peru	536	...	1 125	1 398	...
Venezuela	4 010	4 714	3 139	...	...
China	1 847	2 352	4 608	2 579	...
Cyprus	176	175	217	190	190
Hong Kong	2 855	2 960	3 781	3 407	4 354
India (d)	1 210	1 148	1 030	1 055	...
Indonesia	1 591	2 379	3 450	3 693	...
Iran (c)	5 064	602	396	...	...
Israel (b)	*1 000	*800	*1 300	*1 000	...
Japan	5 517	5 128	4 626	5 864	...
Korea, Republic of	159	1 097	3 779	1 761	...
Malaysia	1 716	1 944	2 467	...	...
Pakistan (a)	70	38	261	7	...
Philippines	211	647	809	1 387	...
Saudi Arabia	2 674	1 693	5 287	876	...
Singapore	2 090	1 541	2 290	2 180	1 803
Taiwan	6 920	8 958	13 746	15 371	15 040
Thailand	243	375	408	207	...

**Imports of Diatomite**

tonnes

Country	1991	1992	1993	1994	1995
Australia (a)	6 623	7 465	7 027	...	...
New Zealand (a)	2 002	1 847	1 414	1 571	...

- (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
- (e) Data for the Federal Republic of Yugoslavia only
- (f) As from 1992 data is for Serbia and Montenegro only

## Production of Feldspar

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom (g)	6 417	8 243	6 956	8 400	8 900
Austria	10 429	11 059	8 492	4 883	0
Finland	47 225	16 396	45 141	43 483	42 000
France	386 000	282 000	274 000	390 000	632 000
Germany, Federal Republic of	328 800	324 700	*380 000	379 427	*350 000
Greece	11 800	26 600	22 210	35 000	...
Italy	1 354 191	1 387 968	1 534 421	1 806 935	2 199 315
Portugal	93 702	99 645	90 547	92 440	*74 000
Spain	192 000	200 000	239 000	250 000	465 000
Sweden (e)	32 945	34 598	35 942	44 520	...
Czech Republic	—	—	203 000	170 000	183 000
Macedonia	—	19 294	13 201	3 282	...
Norway	*65 000	*65 000	*65 000	67 500	...
Poland	*40 000	*22 600	30 700	38 100	43 300
Romania	*40 000	27 715	*25 000	10 400	...
Russia	—	*100 000	*70 000	*55 000	*55 000
Slovakia	—	—	22 477	...	...
Soviet Union	*250 000	—	—	—	—
Turkey	234 831	284 645	519 762	502 608	928 546
Yugoslavia (c)	*40 000	5 111	2 679	3 238	2 904
Algeria	4 499	4 647	6 500	...	...
Egypt (d)	21 113	32 326	16 386	39 745	...
Kenya	*1 200	*1 200	*1 200	*1 200	...
Morocco	*1 000	*1 000	*1 000	*1 000	...
Nigeria	*700	*700	*700	0	...
South Africa	70 324	49 425	43 400	37 156	47 874
Zimbabwe	3 820	2 696	1 553	1 617	...
Guatemala	6 961	6 113	7 041	8 886	7 673
Mexico	151 678	159 718	123 512	133 441	121 779
USA	580 000	725 000	770 000	765 000	*770 000
Argentina	42 270	48 509	55 764	39 825	36 901
Brazil (f)	*100 000	*150 000	*150 000	*150 000	*150 000
Chile	4 006	5 740	4 149	9 967	7 293
Colombia	75 575	78 446	60 458	76 188	58 100
Ecuador	2 254	5 505	*5 500	5 692	*7 000
Peru	*3 000	10 021	11 385	13 354	...
Uruguay	3 676	8 211	*8 000	2 870	5 099
Venezuela	145 000	181 705	187 000	136 507	170 404
India	65 089	67 700	66 400	*67 000	*70 000
Indonesia	13 674	16 719	27 835	...	...
Iran (b)	64 754	52 120	76 873	109 005	...
Japan (h)	1 156 000	1 138 239	1 122 000	1 193 000	1 169 000
Jordan	2 000	2 000	...	...	...
Korea, Republic of	247 969	281 553	539 000	*500 000	*510 000
Myanmar (a)	3 737	1 581	5 555	*4 000	...
Pakistan	10 210	19 166	17 034	*17 000	...
Philippines	47 979	*45 000	24 233	*30 000	...
Sri Lanka	9 908	8 821	*8 800	8 000	...
Taiwan	1 339	2 216	1 716	778	—
Thailand	402 641	559 806	600 835	554 227	*600 000
Uzbekistan	—	*80 000	*70 000	*70 000	*70 000
Australia	*16 000	*15 000	*15 000	*16 000	...
World total	6 400 000	6 700 000	7 600 000	8 000 000	9 200 000

Note(s):

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

(a) Years ended 31 March following that stated

(b) Years ended 20 March following that stated

(c) As from 1992 data is for Serbia and Montenegro only

(d) Years ended 30 June of that stated

(e) Sold or used by producers

(f) Including beneficiated and directly shipped material

(g) China stone

(h) Revised to include weathered granite feldspar

## Exports of Feldspar

Country	1991	1992	1993	1994	1995
United Kingdom	1 017	169	442	473	299
Finland	31 401	28 540	30 867	...	...
France	110 846	92 506	74 433	53 560	...
Germany, Federal Republic of	36 678	35 614	72 495	128 745	81 210
Italy	26 308	23 058	22 723	22 593	...
Netherlands	1 938	2 118	—	1 786	...
Portugal	(a) 3 427	(a) 1 596	462	...	...
Spain	10 800	9 193	14 022	14 202	...
Sweden	19 549	25 075	21 133	30 625	...
Czechoslovakia (b)	*6 700	*4 700	—	—	—
Czech Republic	—	—	63 687	66 583	74 181
Norway	79 756	65 688	63 552	61 648	67 340
Turkey (a)	162 910	(a) 234 430	320 819	469 371	651 800
Yugoslavia (g)	(f) 1 590	...	...	...	...
South Africa	2 974	3 526	2 965	2 394	1 700
Guatemala (a) (c)	4 210	6 073	5 284	5 006	...
Mexico	20 143	14 507	7 782	7 115	...
USA	8 604	17 734	19 569	19 251	17 077
Brazil	3 179	2 129	2 551	1 102	...
China	318 804	439 908	728 447	831 000	...
Hong Kong	(c) 177 932	(a) 201 873	(a) 311 010	(a) 220 867	(a) 201 362
of which: Re-exports	151 917	201 873	311 010	220 867	201 362
India (d)	47 894	26 355	29 448	49 307	...
Japan	40 412	34 581	36 232	27 630	...
Korea, Republic of	20 805	24 049	23 631	15 817	...
Singapore (a)	15 173	14 011	16 575	12 279	6 513
of which: Re-exports	14 581	13 966	16 182	12 122	6 479
Thailand	255 423	338 031	436 954	233 784	...
Australia (e)	20 751	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) Data for the Federal Republic of Yugoslavia only

(g) As from 1992 data is for Serbia and Montenegro only

## Imports of Feldspar

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	41 200	36 895	30 850	38 158	33 031
Austria	4 472	4 800	5 970	4 813	...
Belgium-Luxembourg	15 525	16 385	17 801	35 850	...
Denmark	3 874	3 644	2 991	3 073	4 208
France	40 228	32 953	15 554	20 765	...
Germany, Federal Republic of	95 350	83 554	70 493	70 493	68 579
Greece	6 532	4 984	(a) 3 361	...	...
Irish Republic	43	—	501	(a) 1 374	(a) 191
Italy	158 095	246 388	247 275	359 608	...
Netherlands	19 641	21 028	15 027	10 386	...
Portugal	(a) 13 041	(a) 13 058	15 985	...	...
Spain	73 575	96 450	96 672	119 485	...
Sweden	8 270	4 565	5 316	5 041	...
Croatia	—	3 947	6 122	...	...
Hungary	...	747	41 185	20 636	...
Norway	311	383	243	523	839
Poland	11 513	(b) *8 700	(b) *11 600	(b) *7 300	...
Switzerland	12 462	9 929	10 026	13 714	11 543
Ukraine (b)	—	...	*28 000	*28 500	...
Algeria (a)	5 201	...	...	...	...
Morocco (a)	766	...	...	...	...
Tunisia	2 418	3 026	...	2 723	...
Canada	2 437	1 919	1 422	1 630	1 803
Costa Rica (c)	4 876	6 209	5 178	4 292	...
Mexico	979	913	7 158	20 765	...
Panama (a) (c)	185	3 068	2 400	129	...
USA	17 876	12 965	7 054	7 360	8 000
Venezuela	776	1 328	1 032	...	...
Hong Kong	(c) 185 599	(a) 205 010	(a) 344 551	(a) 209 312	105 036
Indonesia	17 930	26 225	37 307	47 684	...
Israel (a) (b)	*3 300	*3 200	*4 800	...	...
Japan	4 440	2 789	7 583	6 705	...
Jordan (a) (c)	721	1 009	305	...	...
Korea, Republic of	6 206	9 435	8 560	4 288	...
Malaysia	97 392	120 847	125 539	...	...
Philippines	4 246	4 751	4 984	6 220	...
Saudi Arabia	701	928	540	1 141	...
Singapore (a)	33 780	33 264	29 579	27 929	21 655
Syria (a) (c)	...	1 766	...	...	...
Taiwan	590 115	694 693	1 006 412	1 175 321	965 531
Thailand (a)	3 115	5 883	3 877	12 624	...
New Zealand (d)	257	148	304	617	...

(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**

Country	1991	1992	1993	1994	1995
United Kingdom	77 903	76 129	70 285	50 000	*55 000
France	187 500	130 900	130 000	150 000	140 000
Germany, Federal Republic of	60 900	53 100	40 000	37 000	*39 000
Italy	104 828	86 279	71 684	77 946	124 749
Spain	112 000	96 000	87 000	107 000	111 000
Czechoslovakia	*40 000	*40 000	—	—	—
Czech Republic	—	—	22 000	10 000	0
Romania	*12 000	*15 000	*15 000	*15 000	*15 000
Russia	—	*100 000	*70 000	*60 000	*60 000
Soviet Union	*350 000	—	—	—	—
Turkey	*5 000	3 074	*4 000	6 671	...
Egypt (c)	1 526	981	521	514	*500
Kenya	88 158	81 298	78 725	64 042	91 204
Morocco	74 600	85 500	70 000	85 000	105 800
Namibia	27 816	37 680	43 466	52 226	37 076
South Africa	270 341	259 790	217 778	174 258	195 794
Tunisia	37 580	13 750	1 399	676	1 856
Mexico	370 297	286 640	282 988	327 378	522 655
USA	*58 000	*51 000	*56 000	*49 000	*51 000
Argentina	16 462	4 587	4 611	3 585	5 071
Brazil (a)	81 991	83 696	92 891	89 931	89 358
China	*1 920 000	*1 890 000	*2 050 000	*1 403 000	*1 500 000
India	24 139	20 600	22 773	*19 084	*23 000
Iran (b)	12 260	9 182	*10 000	*10 000	*10 000
Kazakhstan	—	*100 000	*90 000	*80 000	*80 000
Korea, Dem. P.R. of	*41 000	*41 000	*41 000	*40 000	*40 000
Mongolia	370 000	277 000	*180 000	88 000	122 500
Pakistan	*5 300	*5 000	*5 100	*5 000	*3 000
Thailand	62 067	51 596	48 387	23 705	*24 000
Uzbekistan	—	*100 000	*90 000	*80 000	*80 000
World total	4 400 000	4 000 000	3 900 000	3 100 000	3 500 000

## 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	1991	1992	1993	1994	1995
United Kingdom	3 938	3 871	6 001	5 798	6 947
Belgium-Luxembourg	3 753	1 905	—	255	...
France	32 045	23 421	20 528	15 763	...
Germany, Federal Republic of	33 780	25 667	22 770	16 678	26 664
Italy	5 955	4 782	940	518	...
Netherlands	1 235	864	982	1 352	...
Spain	40 644	15 491	18 845	21 182	...
Sweden	912	1 100	1 493	1 687	...
Czech Republic	—	—	14 144	20 667	26 011
Kenya	...	82 000	71 000	74 000	86 000
Morocco	76 300	78 000	60 000	102 000	110 000
Namibia	21 727	28 914	33 487	49 852	27 400
South Africa	247 338	250 879	224 278	244 190	166 864
Tunisia	1 039	60	...	—	...
Canada	1 599	607	483	50	1 750
Mexico	225 218	150 275	111 687	147 502	...
USA	74 590	14 277	13 179	23 769	42 169
China	933 694	1 187 840	1 375 277	1 218 645	...
Japan	582	578	644	904	...
Thailand	84 210	60 078	46 041	18 428	...

## Imports of Fluorspar

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom (b)	*7 600	*11 900	*23 600	*17 600	...
Austria	15 994	10 859	6 169	5 213	...
Belgium-Luxembourg	12 725	16 754	11 021	8 401	...
Denmark	448	469	11 931	11 066	341
Finland	6 709	12 209	6 334	...	...
France	28 571	6 253	15 321	7 427	...
Germany, Federal Republic of	205 145	216 202	210 214	268 974	221 860
Greece	4 482	9 363	13 116	...	...
Italy	91 746	95 026	93 661	91 428	...
Netherlands	18 122	22 347	30 732	19 234	...
Portugal	603	1 401	1 469	...	...
Spain	4 714	9 123	6 792	9 495	...
Sweden	9 550	8 143	13 467	11 733	...
Czech Republic	—	—	19 616	26 642	67 720
Hungary	...	1 072	2 061	5 177	...
Norway	56 994	47 318	36 548	44 865	46 231
Poland	5 250	(b) *900	(b) *7 000	(b) *3 500	(b) *6 000
Romania	16 164	2 195	16 129	10 852	14 917
Russia	—	149 946	88 968	...	...
Soviet Union (b)	*2 500	—	—	—	—
Switzerland	575	597	409	351	73
Turkey	1 003	1 146	1 892	1 515	6 772
Ukraine (b)	—	*31 200	*17 400	*100	...
Yugoslavia (g)	(f) 695	929	...	...	...
Egypt (a) (c)	...	5 788	8 183	...	...
Tunisia	13 337	34 808	...	47 253	...
Canada	112 093	91 667	80 728	87 370	108 968
Costa Rica (c)	4 876	6 209	5 178	...	...
Mexico	...	...	43 625	31 457	...
Panama (a) (c)	185	3 068	2 400	129	...
USA	368 197	407 304	390 595	436 282	583 523
Brazil	9 542	14 141	4 272	...	...
Chile	4 460	4 456	543	391	524
Peru	284	...	275	1 128	...
Venezuela	479	431	739	...	...
Hong Kong	(c) 185 599	300	...	—	—
India (e)	31 839	26 237	38 537	61 781	...
Indonesia	4 672	2 208	1 391	1 006	...
Japan	565 831	528 656	551 184	544 943	...
Jordan (a) (c)	721	1 009	305	...	...
Korea, Republic of	72 030	74 017	80 987	93 198	...
Malaysia	2 224	2 409	4 034	...	...
Philippines	1 687	765	529	1 737	...
Saudi Arabia (a) (c)	—	928	...	...	...
Syria (a) (c)	...	...	...	...	...
Taiwan	25 956	28 483	27 937	47 447	52 614
Australia (d)	19 681	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

(f) Data for the Federal Republic of Yugoslavia only

(g) As from 1992 data is for Serbia and Montenegro only

## Mine Production of Gold

kilograms (metal content)

Country	1991	1992	1993	1994	1995
Finland	1 818	1 663	1 304	1 380	2 100
France	4 612	2 907	2 155	4 009	4 615
Portugal	264	149	*150	400	—
Spain	7 420	5 887	6 083	5 892	3 256
Sweden	6 247	6 164	6 548	6 364	6 528
Armenia	—	*500	*500	*500	*100
Czech Republic	—	—	512	75	—
Georgia	—	*1 500	*1 000	1 000	1 200
Hungary	*500	*500	*500	*200	—
Romania	*6 000	3 700	4 000	4 000	*4 000
Russia	—	*146 000	*149 500	*147 000	132 100
Soviet Union	*240 000	—	—	—	—
Yugoslavia (d) (g)	(f) 6 920	7 330	3 504	*4 000	*4 000
Botswana	20	165	192	234	86
Burkina Faso	6 000	5 000	4 000	3 000	2 700
Central African Republic	191	155	171	150	...
Ethiopia (b)	3 038	2 224	3 387	4 500	4 500
Gabon	*150	70	120	75	...
Ghana	26 310	31 038	39 234	44 505	44 400
Guinea	4 453	2 113	*2 100	5 617	7 863
Ivory Coast	*989	1 665	*1 500	1 860	1 983
Liberia (a)	*600	*700	*700	...	...
Mali	2 568	3 227	*5 500	*5 500	*6 500
Mauritania	—	702	1 266	*1 500	1 500
Mozambique	394	296	149	336	236
Namibia	1 850	2 025	1 953	2 394	2 099
Rwanda	963	*1 000	*1 000	100	...
Sierra Leone	26	93	157	125	4
South Africa	601 013	613 036	619 325	579 909	523 820
Sudan	*150	973	1 600	2 500	3 600
Tanzania	3 851	4 525	3 370	2 861	...
Uganda	776	118	104	3	...
Zaire	6 131	2 525	1 502	780	600
Zambia (c)	124	218	266	200	100
Zimbabwe	17 820	18 278	18 565	20 512	24 290
Canada	175 709	161 402	153 299	146 891	151 257
Costa Rica	(e) 564	250	260	370	400
Dominican Republic	3 160	2 229	247	1 538	3 288
Honduras	180	163	111	106	...
Mexico	8 937	10 412	11 121	14 642	20 902
Nicaragua	1 014	1 188	1 241	1 045	1 200
USA	294 062	330 212	331 013	326 221	313 000
Argentina	1 725	1 106	937	937	837
Bolivia	3 501	4 688	10 423	12 790	14 405
Brazil	89 578	85 862	74 219	70 535	62 424
Chile	28 879	34 473	33 638	38 786	44 585
Colombia	34 845	32 118	27 469	20 760	21 161
Ecuador	12 200	1 310	940	1 500	...
French Guiana	1 417	2 140	2 805	2 260	...
Guyana	1 843	2 475	9 635	11 683	9 005
Peru	22 606	24 242	30 318	47 800	56 496
Venezuela	6 733	8 547	8 985	9 944	7 259
China	*120 000	*140 000	*160 000	*160 000	*160 000
India	1 973	1 762	2 075	2 372	1 800
Indonesia	11 275	37 978	41 576	44 843	57 900
Iran	*800	*1 000	417	723	370
Japan	8 299	8 893	9 352	9 551	9 185
Kazakhstan	—	*24 000	*20 000	14 483	14 900
Korea, Dem. P.R. of	*5 000	*5 000	*500	500	500
Korea, Republic of (d)	20 809	23 263	10 443	9 550	9 190
Kyrgyzstan	—	*1 200	*1 500	*4 000	*4 000
Malaysia	2 778	3 513	4 463	3 799	3 162
Mongolia	*800	*900	*1 200	1 742	4 080

## Mine Production of Gold

kilograms (metal content)

Country	1991	1992	1993	1994	1995
Myanmar (h)	35	31	51	139	*80
Oman	58	387	431	137	532
Philippines	25 916	22 702	25 826	14 611	12 800
Saudi Arabia	4 808	6 150	7 525	7 630	8 080
Tajikistan	—	*500	*400	382	500
Uzbekistan	—	*75 000	*75 000	*70 000	70 000
Australia	235 990	243 545	247 433	254 874	253 084
Fiji	2 810	3 693	3 815	4 111	3 476
New Zealand	6 758	10 531	11 161	10 118	11 500
Papua New Guinea	60 782	71 190	60 587	58 654	51 701
World total	2 147 000	2 251 000	2 262 000	2 232 000	2 173 000

## 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) Exports
- (b) Years ended 6 July of that stated
- (c) Contained in blister copper, refinery muds and electrolytic copper
- (d) Metal production
- (e) Central Bank purchases
- (f) Excluding data from August to December for the Republic of Croatia
- (g) As from 1992 data is for Serbia and Montenegro only
- (h) Years ended 31 March following that stated

## Gold

## Exports of Gold

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal					
Refined	547 699	924 143	...	...	...
Other	9 726	75 874	(f) 683 719	(f) 436 209	(f) 701 943
Waste & scrap	5 490	2 307	2 638	1 256	10 210
Austria					
Metal	638	948	15 272	1 227	...
Waste & scrap	115	1 614	520	747	...
Belgium-Luxembourg					
Metal	19 689	22 691	26 089	22 006	...
Waste & scrap	£2 577 000	£3 826 000	£513 000	£35 000	...
Denmark					
Metal	961	878	502	410	893
of which: Re-exports	381	455	...	...	...
Waste & scrap	6 218	3 327	4 157	4 111	8 442
of which: Re-exports	2 088	547	...	...	...
Finland					
Metal	1 943	1 124	1 032	960	...
France					
Metal	44 377	44 421	44 429	37 578	...
Waste & scrap	1 599 937	695 873	731 232	1 262 100	...
Germany, Federal Republic of					
Metal	71 517	58 945	62 317	74 341	88 768
Waste & scrap	32 567	3 013	26 078	1 210	23 585
Irish Republic					
Metal	£32 000	£19 000	£113 000	£532 000	£14 000
Waste & scrap	£1 485 000	£1 296 000	£6 000	£12 000	£6 000
Italy					
Metal	4 421	25 974	15 248	12 672	...
Netherlands					
Metal	1 083	1 199	6 772	11 479	...
Waste & scrap	3 000	11 000	20 000	29 000	...
Spain					
Metal	2 763	905	4 776	14 401	...
Sweden					
Metal	9 000	7 000	9 000	8 000	...
Waste & scrap	39 000	28 000	46 000	28 000	...
Armenia					
Metal (c)	—	...	...	*390	...
Waste & scrap (c)	—	...	...	*930	*1 600
Belarus					
Waste & scrap (c)	—	...	*900	*3 100	...
Czech Republic					
Metal	—	—	8 605	1 671	2 329
Estonia					
Waste & scrap (c)	—	...	*16 300	*15 700	...
Latvia					
Waste & scrap (c)	—	...	*4 100	*6 300	...
Lithuania					
Waste & scrap (c)	—	*400	*2 700	*2 200	...
Norway					
Metal	926	1 133	1 197	1 599	2 151
Waste & scrap	370	384	181	328	966
Russia					
Metal (c)	—	*22 200	*14 100	*36 400	...
Waste & scrap	—	—	—	—	—
Soviet Union					
Metal (c)	*79 700	—	—	—	—
Switzerland					
Metal	1 040 647	1 187 660	999 059	909 456	1 193 530
Waste & scrap	94 401	46 723	78 216	8 080	16 758
Ukraine					
Waste & scrap (c)	—	—	*74 400	*9 900	...
Yugoslavia (i)					
Metal	(h) 1 000	1 000	...	...	...

## Exports of Gold

Country	1991	1992	1993	1994	1995
Mozambique					
Metal	390	317	113	262	228
Namibia					
Metal	1 873	2 049	2 011	2 319	2 057
Sierra Leone					
Metal	19	51	...	...	...
South Africa					
Metal	£3 969 000 000	£3 878 000 000	£4 741 000 000	£4 591 000 000	£4 076 000 000
Zimbabwe					
Metal	16 089	14 324	...	...	...
Canada					
Ores & concentrates (d)	8 393	6 565	3 869	3 511	7 066
Metal	162 975	212 478	201 462	210 477	170 975
Dominican Republic					
Metal	3 160	2 229	247	1 538	3 288
USA					
Ore (b)	10	30	216	462	345
Metal					
Unrefined	47 534	51 086	...	...	...
Refined	177 920	264 383	(g) 725 617	(g) 394 579	(g) 352 505
Other	9 646	9 034	...	...	...
Waste & scrap	68 102	80 267	68 847	76 365	82 834
Bolivia					
Ores & concentrates (b)	1 675	1 799	161	1	1
Metal	1 682	165	6 414	9 633	10 593
Chile					
Metal	65 780	64 444	20 422	22 502	29 032
Colombia					
Ore	358 271	533 485	364 974	594 268	*600 000
Guyana					
Metal	1 882	2 473	8 667	11 161	8 563
Peru					
Metal	12 084	19 586	19 782	27 540	37 222
China					
Metal (c)	*1 500	*1 500	*1 500	*1 300	...
Hong Kong					
Metal (a)	5 826	5 152	9 519	4 493	6 729
Waste & scrap (a)	2 000	2 526	3 259	2 966	3 968
Indonesia					
Metal	12 472	13 656	16 136	11 577	...
Japan					
Metal	12 353	36 349	33 878	23 949	...
Waste & scrap	1 029	1 825	2 241	1 418	...
Jordan					
Metal (a)	2 800	5 282	4 106	1 579	...
Korea, Dem. P.R. of					
Metal (c)	*1 000	*2 800	*3 600	*600	...
Korea, Republic of					
Ores & concentrates	1 772 367	2 168 000	1 895 200	1 881 600	...
Metal	16 866	21 455	25 079	48 350	...
Malaysia					
Metal	720	1 072	3 443	4 213	...
Waste & scrap	788	480	...	...	...
Philippines					
Ores & concentrates (b)	5 682	11 884	177	207	...
Singapore					
Metal	8 258	9 907	13 042	12 191	14 305
of which: Re-exports	2 133	3 449	2 697	1 323	2 097
Waste & scrap	22 234	9 353	1 106	777	1 312
Taiwan					
Waste & scrap	22 361	16 832	15 134	70 730	908
Thailand					
Metal	119	882	1 051	64 821	...
Waste & scrap	1 987	3 285	26 538	99 907	...

## Gold

**Exports of Gold**

kilograms

Country	1991	1992	1993	1994	1995
Uzbekistan					
Metal (c)	—	—	*20 000	*14 000	...
Australia					
Ores & concentrates (b)	5 507	*1 600	*2 500	*1 600	*1 800
Metal	253 703	296 312	272 488	275 152	314 463
Fiji					
Metal	2 751	...	...	...	...
New Zealand (e)					
Metal	3 508	10 757	22 082	36 588	...
Papua New Guinea					
Metal	60 782	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) Metal; all forms
- (h) Data for the Federal Republic of Yugoslavia only
- (i) As from 1992 data is for Serbia and Montenegro only



## Imports of Gold

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	39 980	68 099	20 292	79 815	3 451
Metal					
Unrefined	55 519	54 835	...	...	...
Refined	479 147	445 677	...	...	...
Other	25 886	42 516	(h) 870 000	(h) 434 957	(h) 404 263
Waste & scrap	82 801	135 730	89 020	112 265	232 239
Austria					
Metal	2 871	3 315	2 766	2 680	...
Belgium-Luxembourg					
Metal	24 003	36 125	22 425	13 815	...
Waste & scrap	£4 452 000	£1 552 000	£1 294 000	£3 339 109	...
Denmark					
Metal	1 159	1 229	1 072	1 362	1 518
Waste & scrap	494	1 044	499	1 384	802
Finland					
Metal	942	784	786	1 148	...
France					
Metal	130 451	164 554	101 405	89 999	...
Waste & scrap	542 702	255 544	415 838	427 300	...
Germany, Federal Republic of					
Metal	116 945	138 223	119 230	96 141	101 883
Waste & scrap	347 327	192 353	137 355	203 012	118 332
Greece					
Metal	2 524	3 015	—	11 687	...
Irish Republic					
Metal	£3 462 000	£3 972 000	£6 121 000	£7 312 000	£9 600 000
Italy					
Metal	355 302	388 645	342 928	337 324	...
Waste & scrap	2 500	2 100	900	2 300	...
Netherlands					
Metal	5 931	8 222	8 908	19 017	...
Waste & scrap	1 000	1 000	...	3 000	...
Portugal					
Metal	...	...	12 803	127 560	...
Spain					
Metal	20 011	23 751	12 252	20 893	...
Sweden					
Metal	3 000	3 000	2 000	3 000	...
Waste & scrap	£341 000	£108 000	£354 000	£39 000	...
Armenia					
Metal (d)	—	...	...	*300	*700
Belarus					
Metal (d)	—	...	...	*300	*100
Czechoslovakia					
Metal (d)	*800	*1 700	—	—	—
Czech Republic					
Metal	—	—	8 605	1 671	2 329
Malta					
Metal	1 611	2 132	1 186	1 903	...
Norway					
Metal	861	1 122	1 652	1 183	1 358
Waste & scrap	784	311	277	489	707
Slovakia					
Metal (d)	—	...	*50	*4 300	...
Slovenia					
Metal	—	(d) *2 900	(d) *1 200	2 981	...
Switzerland					
Metal	1 198 349	1 457 018	1 273 872	1 042 987	1 205 818
Waste & scrap	57 175	58 135	43 970	48 594	56 883
Ukraine					
Metal (d)	—	...	*200	*400	...
Yugoslavia (g)					
Metal	(f) £1 647 000	£1 152 000	...	...	...

## Gold

## Imports of Gold

kilograms

Country	1991	1992	1993	1994	1995
South Africa					
Metal	40	554	537	460	55 394
Waste & scrap	15 718	...	—	—	—
Tunisia					
Metal	274	...	767	1 166	...
Canada					
Ores & concentrates (e)	703	4 381	10 590	1 897	2 648
Metal	30 388	43 896	55 360	36 487	23 773
USA					
Ore (c)	3 601	349	1 241	2 244	5 020
Metal					
Unrefined (a)	31 237	40 125	65 807	36 899	24 220
Refined	147 050	141 249	130 001	96 360	111 000
Brazil					
Metal	98	796	1 329	2 931	...
China					
Metal (d)	*2 500	*4 400	*7 400	*2 400	*2 200
Cyprus					
Metal	2 511	3 132	2 229	2 696	2 430
Hong Kong					
Metal	301 559	339 650	234 056	326 104	265 657
Waste & scrap	139	377	648	1 055	2 907
Israel					
Metal	£86 403 000	£83 737 000	£107 171 000	£92 962 000	...
Japan					
Metal	257 913	195 116	176 351	197 349	...
Waste & scrap	1 369	1 757	3 223	3 815	...
Jordan					
Metal	433	535	502	1 174	...
Korea, Republic of					
Ores & concentrates	593 595	...	62	19	...
Metal	22 427	32 283	34 436	58 336	...
Macao					
Metal	70	116	1 157	...	...
Malaysia					
Metal	116 289	60 894	81 578	121 981	...
Oman					
Metal	6 958	8 738	...	11 229	...
Philippines					
Metal	30	124	3	369	...
Saudi Arabia					
Metal	118 509	13 021	62 932	59 426	...
Singapore					
Metal	10 083	9 798	19 883	23 199	26 401
Waste & scrap	331	343	432	257	296
Sri Lanka					
Metal	342	210	1 412	1 387	...
Taiwan					
Metal	109 153	177 717	134 096	123 233	108 316
Thailand					
Metal	42 277	45 139	187 663	...	...
Australia					
Metal (b)	£272 978 000	£431 398 000	£461 399 000	£467 703 000	£332 583 000
New Zealand (b)					
Metal	309	484	637	638	...

## Note(s):

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

(a) Including waste and scrap

(b) Years ended 30 June of that stated

(c) Au content

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

(e) Au content of all ores and concentrates

(f) Data for the Federal Republic of Yugoslavia only

(g) As from 1992 data is for Serbia and Montenegro only

(h) Including unrefined and refined

## Production of Graphite

Country	1991	1992	1993	1994	1995
Austria (a)	19 750	19 547	4 146	12 324	12 019
Germany, Federal Republic of	8 900	6 200	4 437	4 400	...
Czechoslovakia	*15 000	*20 000	—	—	—
Czech Republic	—	—	27 000	25 000	27 000
Norway	760	7 000	6 500	5 200	2 600
Romania	*6 000	2 300	3 162	2 070	...
Russia	—	*15 000	*10 000	*8 000	...
Soviet Union	*75 000	—	—	—	—
Turkey	26 570	19 000	*20 000	*20 000	...
Ukraine	—	*50 000	*40 000	*30 000	...
Madagascar	14 078	8 910	13 118	8 000	*10 000
Mozambique	—	—	10	430	*4 000
Zimbabwe	12 903	12 346	7 142	8 729	11 381
Canada	10 323	21 714	22 257	*23 000	*25 000
Mexico	37 258	48 038	48 532	30 863	33 898
Brazil (b)	36 446	35 173	33 000	39 000	31 000
China	*600 000	*600 000	653 800	943 200	...
India	50 000	*50 000	*64 000	*70 000	*70 000
Korea, Dem. P.R. of	*35 000	*38 000	*38 000	*38 000	...
Korea, Republic of	85 953	22 407	19 471	7 747	...
Sri Lanka	6 409	3 269	3 033	2 969	...
World total	1 040 000	978 000	1 018 000	1 279 000	1 283 000

## 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	1991	1992	1993	1994	1995
United Kingdom	2 681	1 833	2 133	2 106	2 215
Austria	6 018	5 394	4 165	5 103	...
France	473	1 851	281	735	...
Germany, Federal Republic of	7 557	7 651	7 267	8 471	11 187
Italy	500	355	461	164	...
Netherlands	2 082	3 030	471	1 128	...
Spain	138	491	768	775	...
Czechoslovakia (a)	*400	*300	—	—	—
Czech Republic	—	—	2 120	2 294	2 691
Latvia (a)	—	...	*1 300	*2 500	...
Norway	1 137	3 535	5 131	7 659	29 440
Russia (a)	—	*2 000	*3 000	*4 800	...
Ukraine (a)	—	...	*1 000	*700	*2 200
Madagascar	13 554	10 671	11 182	...	...
South Africa (a)	*1 500	*400	*500	*400	*900
Zimbabwe	11 080	11 849	...	...	...
Canada	8 535	21 051	21 376	21 717	...
Mexico	10 403	9 048	13 901	15 916	...
USA	19 574	19 384	17 499	20 809	38 041
Brazil	7 298	8 956	9 961	9 668	3 693
China	153 061	154 869	145 426	181 767	...
Hong Kong (c)	2 410	2 427	2 111	930	175
India (b)	653	504	698	674	...
Japan	1 484	1 928	2 047	3 052	...
Korea, Dem. P.R. of (a)	*11 000	*6 900	*2 500	*6 300	...
Korea, Republic of	29 925	11 563	7 748	5 623	...
Sri Lanka	2 376	2 163	3 560	4 089	...

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

Country	1991	1992	1993	1994	1995
United Kingdom	15 050	20 895	24 678	28 025	29 954
Austria	5 051	4 022	4 302	5 524	...
Belgium-Luxembourg	879	939	1 516	3 229	...
Denmark	1 579	1 687	1 104	602	432
Finland	100	139	66	...	...
France	4 374	3 820	3 342	19 370	...
Germany, Federal Republic of	27 794	35 532	22 969	28 671	36 051
Greece	354	127	128	...	...
Italy	30 281	9 213	7 793	10 626	...
Netherlands	2 305	4 431	4 830	3 457	...
Portugal	356	489	227	...	...
Spain	2 442	3 472	5 642	5 833	...
Sweden	701	829	819	1 052	...
Czechoslovakia (d)	*200	*100	—	—	—
Czech Republic	—	—	654	737	977
Hungary	...	591	501	520	...
Norway	626	294	176	340	831
Poland	632	(d) *800	(d) *800	(d) *800	...
Switzerland	202	237	174	370	476
Turkey	2 366	2 608	3 433	6 869	5 712
Yugoslavia (f)	(e) 474	446	...	...	...
Egypt	...	308	290	...	...
Mauritius	229	158	...	...	...
South Africa	5 105	5 079	6 240	4 123	2 963
Canada	5 414	8 196	6 539	6 426	6 691
Mexico	1 488	2 681	2 364	2 142	...
USA	33 575	46 780	52 171	53 136	61 397
Argentina	1 130	507	852	1 420	...
Venezuela	1 946	1 001	772	...	...
Hong Kong	2 546	1 569	9 492	732	449
India (c)	206	317	592	959	...
Indonesia	1 761	1 205	923	1 101	...
Iran (a)	291	266	945	...	...
Japan	122 650	73 258	66 135	84 797	...
Korea, Republic of	11 917	57 464	37 086	37 676	...
Malaysia	705	1 576	1 157	...	...
Pakistan (b)	6 001	2 838	4 086	1 936	...
Philippines	235	105	354	406	...
Singapore	1 240	1 034	1 069	943	1 132
Taiwan	13 429	7 598	8 008	6 998	11 538
Thailand	838	1 247	1 537	1 350	...
Australia (b)	1 557	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

(e) Data for the Federal Republic of Yugoslavia only

(f) As from 1992 data is for Serbia and Montenegro only

## Gypsum

## Production of Gypsum

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	*2 500 000	*2 500 000	2 500 000	*2 000 000	*2 000 000
Austria					
Gypsum	558 348	714 275	788 865	967 131	873 404
Anhydrite	96 246	78 059	87 476	93 338	85 026
France	5 934 000	*5 000 000	*5 000 000	*5 000 000	4 800 000
Germany, Federal Republic of					
Gypsum	1 450 600	1 420 800	2 100 000	2 300 000	...
Anhydrite	300 000	600 000	...	...	...
Greece	664 897	658 549	445 600	453 722	...
Irish Republic	342 800	343 000	317 600	367 300	406 000
Italy	1 286 674	1 200 000	1 300 000	1 200 000	*1 200 000
Portugal	359 335	471 466	497 831	*450 000	...
Spain	8 054 000	7 750 000	7 250 000	7 350 000	7 700 000
Azerbaijan	—	*100 000	*75 000	*60 000	...
Bosnia & Herzegovina	—	*54 000	*33 000	*33 000	...
Bulgaria (a)	*63 000	*125 000	*100 000	*100 000	...
Croatia	—	*50 000	*50 000	*50 000	...
Czechoslovakia (a)	624 000	*700 000	—	—	—
Czech Republic (a)	—	—	560 000	591 000	542 000
Hungary	128 175	*130 000	*110 000	151 000	...
Latvia	—	30 000	69 500	70 380	78 813
Macedonia	—	37 206	35 702	33 449	...
Moldova	—	*300 000	*250 000	*146 000	*136 000
Poland					
Gypsum	688 000	752 000	728 000	944 000	...
Anhydrite	100 000	91 000	104 000	111 000	...
Romania	*800 000	*800 000	*100 000	—	...
Russia	—	*1 800 000	*1 500 000	*1 200 000	...
Slovakia (a)	—	—	*75 000	*70 000	...
Slovenia	—	*10 000	*10 000	*10 000	...
Soviet Union	*4 000 000	—	—	—	—
Switzerland	*230 000	*200 000	*200 000	*200 000	*200 000
Turkey	323 649	278 000	541 000	486 704	711 956
Yugoslavia (f)	426 000	47 865	*45 000	40 411	...
Algeria	152 400	*150 000	*150 000	*150 000	...
Angola	*57 000	*57 000	*50 000	*50 000	...
Egypt (b)	1 239 000	1 425 383	1 199 068	*1 200 000	*1 200 000
Ethiopia (g)	*1 750	*2 650	*2 500	*30 700	...
Kenya	*36 000	*36 000	*36 000	*36 000	...
Libya	*180 000	*180 000	*180 000	*180 000	...
Mauritania	1 650	4 060	3 240	4 230	10 100
South Africa	420 146	333 771	284 389	304 377	288 178
Tanzania	8 765	15 031	17 600	19 000	*19 000
Tunisia	*100 000	*100 000	*100 000	*100 000	...
Canada					
Gypsum	6 697 000	7 413 000	7 710 000	9 010 000	8 380 000
Anhydrite	132 809	152 771	168 200	174 800	*187 000
Cuba	*130 000	*125 000	*125 000	*125 000	...
Dominican Republic	117 600	83 306	*85 000	*83 000	...
El Salvador	*5 000	*5 000	*5 000	*5 000	...
Guatemala	51 519	72 608	77 035	42 019	...
Honduras	*27 000	*26 000	*26 000	*26 000	...
Jamaica	135 840	144 977	152 185	203 700	208 017
Mexico	4 774 130	5 157 950	5 339 746	5 040 400	4 917 840
Nicaragua	23 100	9 115	10 300	27 800	...
USA	14 021 000	14 759 000	15 812 000	17 200 000	15 900 000
Argentina	383 434	514 274	519 181	515 269	531 735
Brazil (e)	*850 000	*800 000	*800 000	*700 000	*700 000
Chile	335 678	423 659	510 515	551 821	464 060
Colombia	638 744	670 681	439 467	*450 000	...
Ecuador	24 000	*24 000	*24 000	...	...
Paraguay	*4 500	*4 500	*4 500	*5 000	...
Peru	*160 000	35 300	38 047	14 500	...

## Production of Gypsum

Country	1991	1992	1993	1994	1995
Uruguay	231 335	209 057	*210 000	...	...
Venezuela	247 000	207 165	210 000	225 000	...
Afghanistan	*3 000	*3 000	*3 000	*3 000	...
Bhutan	*22 000	*20 000	*20 000	*20 000	...
China	10 610 000	11 970 000	10 600 000	11 000 000	*11 500 000
Cyprus	18 300	35 470	90 000	90 000	150 000
India	1 553 000	1 300 000	1 728 928	*1 530 058	*1 500 000
Iran (c)	8 838 838	8 252 808	7 799 443	7 948 387	*8 000 000
Iraq	*190 000	*380 000	*450 000	*450 000	...
Israel	25 570	*25 500	*25 500	*25 500	...
Jordan	55 300	83 000	195 000	*194 000	166 575
Laos	77 000	90 000	130 000	131 000	110 000
Lebanon	*2 000	*2 000	*2 000	*2 000	...
Mongolia	*25 000	*25 000	*25 000	*25 000	...
Myanmar (h)	32 898	29 814	30 494	36 053	*39 000
Oman	...	48 150	112 882	121 446	104 500
Pakistan (a)	521 891	471 000	534 565	*540 000	...
Philippines	20 000	25 000	*25 000	*25 000	...
Saudi Arabia	176 764	272 641	326 661	*375 000	...
Syria	183 000	235 000	303 000	*235 000	...
Taiwan	3 723	1 673	3 182	2 876	3 135
Tajikistan	—	*500 000	*400 000	*300 000	...
Thailand	7 196 390	7 111 029	7 454 806	8 139 817	*8 000 000
Turkmenistan	—	*300 000	*200 000	*150 000	...
Vietnam	*30 000	*30 000	*30 000	*30 000	...
Yemen, Republic of (d)	100 000	77 898	80 000	*80 000	...
Australia	1 810 000	2 000 000	2 087 000	*2 000 000	*2 100 000
World total	91 600 000	92 700 000	92 400 000	95 200 000	93 900 000

## Note(s):

- (1) 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) Yemen Arab Republic and People's Dem. Rep. of Yemen were unified on 22 May 1990 as the Republic of Yemen  
 (e) Including beneficiated and directly shipped material  
 (f) As from 1992 data is for Serbia and Montenegro only  
 (g) Years ended 7 July of that stated  
 (h) Years ended 31 March following that stated

## Gypsum

## Exports of Gypsum

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Crude	7 904	13 545	5 556	4 603	2 647
Calcined	14 066	12 955	16 108	19 352	22 127
Austria					
Crude	67 437	47 606	58 522	69 861	...
Calcined	91 937	108 371	101 615	131 354	...
Belgium-Luxembourg					
Crude	14 740	20 359	20 325	22 951	...
Calcined	121 005	131 612	152 728	213 409	...
Denmark					
Crude & calcined	36 908	27 719	29 791	50 520	15 263
of which: Re-exports	1 017	20 655	...	...	...
France					
Crude	802 935	726 881	528 752	524 429	...
Calcined	269 088	283 188	241 248	336 091	...
Germany, Federal Republic of					
Crude	279 192	348 173	240 766	244 740	241 464
Calcined	536 372	519 492	756 330	798 789	806 535
Greece	23 235	19 680	30 100	...	...
Irish Republic					
Crude	41 354	37 552	41 305	80 359	508
Calcined	33 067	36 410	39 618	39 494	36 129
Italy					
Crude	10 681	44 119	44 715	38 821	...
Calcined	16 093	16 034	15 623	28 442	...
Netherlands					
Crude	52 794	63 132	103 362	158 277	...
Calcined	10 639	12 999	14 790	10 494	...
Spain					
Crude	2 357 353	2 208 313	2 179 893	2 121 212	...
Calcined	111 557	135 132	114 455	12 058	...
Sweden					
Crude & calcined	649	535	4 144	445	...
Czech Republic	—	—	112 755	122 847	101 016
Latvia	—	12 000	61 880	49 046	...
Poland	21 379	(a) *16 700	(a) *2 600	0	...
Romania	2 273	1 983	2 659	2 610	8 780
Soviet Union (a)	*9 800	—	—	—	—
Switzerland					
Crude & calcined	14 692	14 564	13 272	15 409	14 437
Turkey					
Crude & calcined	1 342	3 071	6 554	11 109	13 036
Yugoslavia (f)	(d) 327	13	...	...	...
Morocco					
Crude	144 993	166 638	...	...	...
Calcined	2 152	1 782	...	...	...
South Africa	1 015	1 980	2 932	0	...
Tunisia					
Crude & calcined	2 451	2 905	...	6 508	...
Canada					
Crude	4 963 732	5 074 804	5 360 459	5 972 862	5 579 127
Calcined	9 989	6 586	22 997	1 694	2 871
Guatemala	8 824	10 528	...	20 946	...
Jamaica	74 437	115 437	168 034	246 036	...
Mexico	2 629 636	2 481 371	2 868 913	3 286 416	...
USA					
Crude	213 580	260 794	220 394	158 469	109 726
Calcined	87 048	137 173	156 769	153 706	161 697
Argentina	14 658	26 588	8 136	21 061	...
Colombia	4 771	10 665	23 240	...	...
Venezuela	30 813	19 563	42 151	18 403	...
Abu Dhabi					
Crude & calcined	...	...	1 197	...	...



## Exports of Gypsum

Country	1991	1992	1993	1994	1995
China	153 878	70 675	82 032	41 790	...
Cyprus					
Crude & calcined	12 092	10 050	7 138	130 103	126 448
Hong Kong (c)	16 205	40 579	26 366	230 214	458 066
India (b)	15 006	5 812	14 394	28 428	...
Indonesia					
Crude	89 300	61 607	15 750	5 500	...
Japan					
Crude	2 677	2 247	2 291	2 601	...
Calcined	4 896	5 619	5 334	6 413	...
Korea, Republic of					
Crude	82	34	1 138	687	...
Calcined	1 305	1 815	2 142	5 237	...
Philippines					
Crude	9 750	38 971	15 118	52 253	...
Saudi Arabia					
Crude & calcined	28 149	46 266	...	43 250	...
Singapore					
Crude & calcined	7 257	6 406	7 394	11 930	11 558
of which: Re-exports	6 230	4 802	4 896	6 807	5 321
Syria	...	86 664	...	...	...
Taiwan	6 367	9 801	13 950	24 824	18 688
Thailand					
Crude	11 157 399	17 062 990	6 336 123	6 492 562	...
Calcined	37 147	43 881	52 347	63 201	...
Australia	...				
Crude & calcined (e)	59 002	166 828	170 182	...	...

Note(s):

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

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

(b) Years ended 31 March following that stated

(c) Re-exports

(d) Data for the Federal Republic of Yugoslavia only

(e) Years ended 30 June of that stated

(f) As from 1992 data is for Serbia and Montenegro only

## Gypsum

## Imports of Gypsum

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Crude	283 803	371 952	496 278	420 347	...
Calcined	254 301	125 246	37 486	40 904	49 754
Austria					
Crude	29 831	6 819	8 999	14 923	...
Calcined	19 311	9 731	9 225	21 391	...
Belgium-Luxembourg					
Crude	496 249	522 367	733 561	665 494	...
Calcined	233 123	251 693	263 036	336 546	...
Denmark					
Crude	260 548	185 960	361 410	242 511	350 172
Calcined	58 865	122 252	10 329	17 591	27 285
Finland					
Crude	185 854	157 691	137 283	...	...
Calcined	7 748	8 186	8 912	...	...
France					
Crude	163 578	104 387	222 227	200 473	...
Calcined	21 651	56 336	37 332	47 012	...
Germany, Federal Republic of					
Crude	426 183	378 338	230 686	285 461	189 414
Calcined	201 297	232 647	182 611	238 835	127 549
Greece					
Crude	86	48	244	...	...
Calcined	1 341	1 906	2 379	...	...
Irish Republic					
Crude	799	550	1 095	1 201	2 820
Calcined	4 625	5 740	3 962	3 258	4 263
Italy					
Crude	21 941	27 369	1 493	5 763	...
Calcined	51 448	45 154	22 323	19 386	...
Netherlands					
Crude	178 051	210 682	209 292	199 304	...
Calcined	181 372	199 337	171 134	109 948	...
Portugal					
Crude	59 383	63 465	23 181	...	...
Calcined	38 635	62 135	74 441	...	...
Spain					
Crude	4 456	3 730	25 846	490	...
Calcined	24 283	27 759	21 865	16 388	...
Sweden					
Crude	441 707	355 621	304 448	277 190	...
Calcined	8 107	5 599	5 627	6 165	...
Czechoslovakia (a)	*12 100	*23 600	—	—	—
Czech Republic	—	—	46	1 813	7 622
Hungary					
Crude	...	...	74 133	56 822	...
Calcined	...	50 800	2 698	4 298	...
Iceland	6 197	5 719	3 599	...	...
Norway					
Crude	56 711	43 841	51 953	88 788	66 096
Calcined	253 046	274 885	194 845	208 560	244 012
Poland	18 609	(a) *7 600	(a) *14 200	(a) *14 700	...
Slovakia					
Crude & calcined	—	—	127 171	...	...
Slovenia (a)	—	*27 800	*42 000	*46 000	...
Switzerland					
Crude	53 488	48 702	49 642	46 986	48 151
Ground & calcined	68 443	67 061	61 878	73 616	66 464
Turkey	1 999	16 763	27 107	5 935	47 859
Reunion					
Crude & calcined	13 376	...	...	...	...
Senegal					
Crude & calcined	9 782	26 903	...	...	...
South Africa					
Crude & calcined	23 365	8 693	6 971	7 762	8 276

## Imports of Gypsum

Country	1991	1992	1993	1994	1995
Tunisia					
Crude & calcined	515	412	...	673	...
Zimbabwe	2 392	147	...	...	...
Canada					
Crude	255 538	260 505	280 581	292 156	177 326
Calcined	29 353	31 992	34 965	37 185	35 375
Costa Rica					
Crude & calcined	30 225	36 473	27 604	38 835	...
El Salvador					
Crude & calcined	9 807	16 485	12 435	49 373	...
Guadeloupe	12 660	12 010	...	...	...
Martinique	12 318	19 491	11 068	...	...
Mexico					
Crude	36 688	18 709	3 529	890	...
Calcined	4 411	6 088	16 929	21 487	...
Panama	16 490	23 286	15 442	37 585	...
Trinidad & Tobago					
Crude & calcined	24 689	17 155	28 099	...	...
USA					
Crude	6 921 348	7 166 122	7 392 972	8 469 787	8 162 852
Ground & calcined	10 029	6 291	22 526	4 112	8 486
Colombia	56 134	25 807	118 711	103 554	...
Ecuador	68 702	1 751	4 233	...	...
Paraguay					
Crude & calcined	...	...	6 240	10 923	...
Uruguay					
Crude & ground	1 409	1 322	1 953	...	...
Venezuela	110 844	129 052	141 715	67 652	...
Abu Dhabi	9 498	14 798	19 301	...	...
Bahrain	13 270	...	13 498	...	...
China					
Crude	1 248	12 616	27 477	4 517	...
Calcined	1 223	5 102	6 904	10 507	...
Hong Kong	90 446	125 712	115 534	124 788	95 384
India (c)					
Crude & calcined	16 934	5 445	8 556	13 132	...
Indonesia	234 464	232 364	193 077	283 423	...
Israel (a)	*6 500	*6 800	*4 000	*4 100	...
Japan					
Crude	3 947 570	3 815 987	3 729 621	4 120 149	...
Calcined	6 849	5 773	6 467	7 076	...
Jordan	3 221	3 231	7 826	...	...
Korea, Dem. P.R. of (a)	*131 100	*110 600	*94 100	*42 500	...
Korea, Republic of	402 282	379 713	492 833	646 764	...
Kuwait					
Crude	...	...	99 405	151 461	217 856
Macao	22 717	29 612	...	...	...
Malaysia					
Crude & calcined	269 100	273 287	297 325	...	...
Oman	2 366	4 407	4 996	...	...
Philippines					
Crude	195 879	178 400	123 314	144 975	...
Calcined	9 960	12 598	10 415	13 217	...
Qatar	9 895	9 413	9 491	...	...
Saudi Arabia	49 841	26 090	48 247	20 190	...
Singapore					
Crude & calcined	74 316	113 047	104 341	125 306	137 797
Sri Lanka	10 771	21 856	30 219	36 435	...
Taiwan					
Crude	536 399	618 876	836 887	735 191	783 557
Calcined	2 970	2 875	4 349	6 010	6 162
Thailand					
Crude	6 058	52 070	100 260	238	...
Calcined	5 077	6 108	6 863	7 953	...

## Gypsum

**Imports of Gypsum**

tonnes

Country	1991	1992	1993	1994	1995
Australia (b)	52 469	47 243	117 272	...	...
New Caledonia					
Crude & calcined	5 277	6 320	8 117	5 873	...
New Zealand (b)					
Crude & calcined	94 377	150 686	95 746	126 817	...

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

**Production of Iodine**

Country	1991	1992	1993	1994	1995
Azerbaijan	—	*600 000	*500 000	*400 000	*400 000
Russia	—	*200 000	*180 000	*160 000	...
Soviet Union	*1 800 000	—	—	—	—
USA	1 999 000	1 995 000	1 935 000	1 628 000	*1 800 000
Chile	5 700 000	6 308 000	*6 000 000	*5 000 000	*6 400 000
China	*500 000	*500 000	*500 000	*500 000	*500 000
Indonesia	36 353	*35 000	14 180	*15 000	*15 000
Japan	7 492 000	6 764 000	6 489 000	*6 400 000	*6 400 000
Turkmenistan	—	*600 000	*600 000	*251 000	*250 000
World total	17 500 000	17 000 000	16 200 000	14 400 000	15 900 000

## Iodine

**Exports of Iodine**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	90 674	59 284	239 219	169 762	315 393
Belgium-Luxembourg	23 000	3 700	564 500	478 600	...
Denmark	—	800	—	—	0
France	10 000	108 000	66 000	35 700	...
Germany, Federal Republic of	401 900	217 800	282 000	521 800	584 400
Italy	2 500	1 700	2 100	2 900	...
Spain	8 000	7 000	8 000	4 000	...
Switzerland	465 816	2 544	1 539	979	666
USA	1 437 006	1 629 162	1 016 000	1 164 000	*1 200 000
Chile	5 410 750	5 838 830	4 458 700	4 883 225	6 400 616
Hong Kong (a)	31 241	...	...	...	—
Indonesia	37 000	29 000	11 066	71 000	...
Japan	4 792 500	4 324 520	4 868 253	6 225 195	...
Taiwan	3 000	25	60	309	2

(a) Re-exports

## Imports of Iodine

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom	1 658 860	1 451 236	1 661 559	1 640 067	1 884 247
Austria	3 800	5 000	11 600	12 700	...
Belgium-Luxembourg	27 200	29 300	249 400	21 000	...
Denmark	10 200	30 200	300	3 500	26 200
Finland	8 000	7 000	5 000	...	...
France	827 000	882 000	1 278 000	1 489 100	...
Germany, Federal Republic of	1 205 600	1 053 600	1 000 300	943 900	1 217 100
Greece	53 000	1 000	1 000	...	...
Italy	878 400	953 400	718 200	656 800	...
Netherlands	494 000	686 000	679 000	954 000	...
Portugal	...	...	12 100	...	...
Spain	572 000	459 000	678 000	140 000	...
Sweden	5 000	4 000	4 000	2 000	...
Hungary	...	—	15 100	6 400	...
Norway	680 000	437 000	311 000	539 000	591 000
Soviet Union (c)	*45 000	—	—	—	...
Switzerland	84 628	73 316	79 292	84 383	74 981
Yugoslavia (e)	(d) 11 000	9 000	...	...	...
Morocco	138	...	...	...	...
South Africa	11 713	29 489	...	...	—
Tunisia	1 741	...	...	266	...
Canada	107 856	141 286	219 120	343 094	393 931
Mexico	...	...	764 920	1 108 598	...
USA	3 503 729	3 654 772	3 548 544	4 260 000	4 200 000
Brazil	333 562	...	...	...	...
Colombia	14 258	22 632	...	...	...
Peru	3 080	...	...	...	...
Uruguay	4 500	1 900	1 300	1 700	...
Venezuela	5 521	6 637	8 045	...	...
China	(c) *333 000	174 376	9 924	20 727	...
Hong Kong	29 600	...	...	...	—
India (a)	664 620	519 060	664 316	819 232	...
Indonesia	5 226	5 207	7 730	...	...
Japan	393 970	604 750	115 900	229 100	...
Korea, Republic of	13 713	16 571	8 225	21 102	...
Pakistan (b)	26 374	27 534	38 391	19 670	...
Sri Lanka	3 070	20 009	20 053	44	...
Taiwan	25 835	22 180	18 961	23 815	34 112
Thailand	7 960	8 296	10 423	11 879	...
Australia (b)	12 034	19 203	27 552	...	...
New Zealand (b)	14 495	13 614	14 296	26 221	...

(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) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

## Production of Iron Ore

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	59 400	30 900	1 068	1 271	1 350
Austria	2 120 000	1 627 000	1 427 000	1 644 000	2 107 000
Finland	32 672	22 836	11 245	...	...
France	7 490 000	5 707 000	3 543 000	2 418 000	1 500 000
Germany, Federal Republic of (f)	118 000	109 000	146 000	*100 000	...
Portugal (f)	16 070	14 545	16 175	14 330	14 535
Spain	3 120 000	2 750 000	*2 475 000	2 086 000	1 982 000
Sweden	19 328 000	19 277 000	18 728 000	19 909 000	21 400 000
Albania (b)	446 000	21 000	...	...	...
Azerbaijan	—	*40 000	*300 000	*100 000	...
Bosnia & Herzegovina	—	*500 000	*250 000	*200 000	...
Bulgaria	300 000	393 000	452 000	466 000	*450 000
Czechoslovakia	1 738 000	1 500 000	—	—	—
Macedonia	—	*20 000	*20 000	*20 000	...
Norway	2 360 540	2 258 409	2 182 184	2 459 955	2 169 011
Romania	1 461 000	1 229 000	903 500	950 800	...
Russia	—	82 100 000	76 100 000	73 300 000	78 300 000
Slovakia	—	—	1 092 000	1 021 000	...
Soviet Union	199 300 000	—	—	—	—
Turkey	5 334 502	5 579 000	5 070 000	5 772 046	4 963 935
Ukraine	—	75 689 000	65 335 000	51 147 000	...
Yugoslavia (h)	(d) 2 574 000	551 000	106 000	*32 000	...
Algeria	2 344 000	2 523 000	2 311 000	2 047 000	2 200 000
Egypt (i)	2 131 000	2 287 000	2 229 000	3 869 000	...
Liberia	1 200 000	1 710 000	...	—	—
Mauritania	10 246 000	9 110 000	9 362 000	10 443 000	...
Morocco	98 676	84 679	66 318	65 233	39 689
Nigeria	*350 000	*350 000	*350 000	*350 000	...
South Africa (c)	29 075 422	28 225 859	29 385 168	32 321 215	31 945 511
Tunisia	295 000	291 000	298 800	235 000	153 000
Zimbabwe	1 137 000	1 181 000	374 493	3 500	311 352
Canada (g)	36 383 000	32 697 000	30 505 000	36 566 000	37 961 000
Mexico	7 540 000	7 809 000	8 480 000	8 358 000	8 523 000
USA	56 761 000	55 593 000	55 661 000	58 400 000	62 450 000
Argentina	160 684	5 958	3 267	67 000	1 000
Bolivia	101 642	34 956	32 108	—	—
Brazil (a)	151 764 214	146 447 408	150 000 000	167 900 000	*175 000 000
Chile	8 414 443	7 224 030	7 379 016	8 340 505	8 431 647
Colombia	607 329	674 219	544 775	609 915	734 000
Peru	3 592 976	2 848 071	5 203 991	6 943 437	*5 800 000
Venezuela	20 343 000	18 887 115	16 851 071	18 318 000	19 484 000
China	190 558 000	210 220 000	225 990 700	250 560 000	245 000 000
India	56 915 000	54 870 000	55 818 000	58 000 000	60 700 000
Indonesia	173 242	287 821	341 335	334 895	348 371
Iran (e)	3 888 100	4 193 650	8 652 900	6 244 735	...
Japan	31 444	39 791	10 621	3 058	2 959
Kazakhstan	—	17 671 000	13 128 900	19 700 000	2 300 000
Korea, Dem. P.R. of	*9 500 000	*9 500 000	*9 500 000	*9 000 000	...
Korea, Republic of	221 525	221 592	218 663	191 313	184 443
Malaysia (g)	375 869	319 919	245 849	243 182	202 322
Thailand	240 075	427 242	208 939	142 795	...



**Production of Iron Ore**

tonnes

Country	1991	1992	1993	1994	1995
Australia	117 673 000	112 115 000	120 534 000	128 493 000	142 936 000
New Zealand	2 264 849	2 934 111	2 388 783	2 080 115	2 300 000
World total	960 000 000	930 000 000	936 000 000	992 000 000	1 004 000 000

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) Excluding data from August to December for the Republic of Croatia
- (e) Years ended 20 March following that stated
- (f) Including manganiferous iron ore
- (g) Including by-product iron ore
- (h) As from 1992 data is for Serbia and Montenegro only
- (i) Years ended 30 June of that stated

## Exports of Iron Ore

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	2 071	2 135	5 854	1 841	1 091
Belgium-Luxembourg					
Iron ore	12 612	20 340	9 162	64 866	...
Burnt pyrites	65 065	17 478	5 766	1 572	...
Denmark					
Iron ore	1 122	1 444	—	19	—
Burnt pyrites	—	1 093	—	22	4
France	3 152 726	2 874 808	2 795 566	2 441 929	...
Germany, Federal Republic of					
Iron ore	80 829	76 553	100 275	85 756	6 870
Burnt pyrites	26 438	9 998	11 104	35 919	16 165
Italy					
Iron ore	171	121	5 991	154	...
Burnt pyrites	27 151	66 350	10 171	50 628	...
Netherlands (b)	65 318	27 794	1 412 748	29 837	...
Spain					
Iron ore	2 219 306	1 879 336	1 505 107	1 516 162	...
Burnt pyrites	23 996	104 009	131 186	137 508	...
Sweden					
Iron ore	15 226 000	15 435 000	16 418 000	15 394 000	...
Burnt pyrites	25 000	146 000	23 000	...	...
Norway					
Iron ore	2 098 540	2 281 251	2 505 979	2 092 396	1 018 254
Burnt pyrites	58 669	128 995	153 133	172 612	153 439
Russia	21 957 000	8 210 000	10 570 000	9 800 000	11 200 000
Slovakia (f)	—	—	*52 200	*92 200	...
Slovenia					
Burnt pyrites	—	12 224	(f) *4 100	(f) *4 000	...
Ukraine (f)	—	*9 469 700	*10 357 200	*7 212 900	...
Yugoslavia (e)					
Burnt pyrites	(d) 44 972	2 171	...	...	...
Algeria	13 300	...	...	11 200	...
Liberia	1 108 000	1 539 000	332 000	...	...
Mauritania	10 469 000	8 094 000	9 655 000	10 342 000	11 514 000
Morocco					
Iron ore	65 728	58 523	1 977	2 761	...
Burnt pyrites	1 700	—	48 380	29 500	...
South Africa	15 596 411	14 867 545	19 024 024	19 605 138	21 847 012
Tunisia	7 687	8 685	8 831	8 228	...
Canada	29 687 515	25 131 837	26 140 286	30 125 391	28 840 291
USA (b)	4 796 030	5 162 528	5 066 954	4 975 648	5 269 510
Bolivia	55 600	50 316	39 003	2 500	...
Brazil	113 622 721	105 011 089	114 375 430	123 062 432	130 178 345
Chile	7 263 904	6 620 645	5 809 386	6 938 960	6 161 316
Peru	2 581 740	3 022 380	4 714 934	6 063 064	6 100 000
Venezuela	13 385 242	10 002 552	10 659 000	10 711 000	10 606 000
India (c)	29 513 463	22 166 619	26 856 590	24 004 646	...
Kazakhstan (f)	—	*92 100	*94 800	*108 600	...
Korea, Dem. P.R. of (f)	*830 000	*786 000	*490 000	*300 200	...
Malaysia	3 900	197 307	29 868	1 744	...
Philippines					
Iron ore	4 776 273	3 882 726	4 100 000	4 708 759	...
Burnt pyrites	5 257	16 148	17 506	11 353	...
Australia	111 557 000	103 487 000	111 527 000	119 093 000	130 367 000
New Zealand (a)	1 115 922	1 006 369	1 234 766	1 232 504	...

(a) Years ended 30 June of that stated

(b) Including burnt pyrites

(c) Years ended 31 March following that stated

(d) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

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

## Imports of Iron Ore

Country	1991	1992	1993	1994	1995
United Kingdom					
Iron ore	15 443 012	15 799 744	15 924 591	19 462 888	20 814 608
Burnt pyrites	137 155	52 316	2 360	2	8 188
Austria					
Iron ore	3 968 429	3 915 271	3 590 300	3 921 881	...
Burnt pyrites	7 593	13 864	6 003	18 257	...
Belgium-Luxembourg					
Iron ore	19 485 930	17 994 255	15 766 015	17 008 208	...
Burnt pyrites	3 197	9 636	27	2 673	...
Denmark					
Iron ore	2 544	1 866	8 294	33 586	11 406
Burnt pyrites	25 805	35 534	39 871	37 825	56 850
Finland	3 085 141	3 363 738	3 360 628	3 618 000	...
France					
Iron ore	18 215 067	17 368 442	16 598 871	20 098 179	...
Burnt pyrites	72 033	43 004	26 624	8 604	...
Germany, Federal Republic of					
Iron ore	43 288 212	41 316 824	35 264 036	42 693 538	14 855 028
Burnt pyrites	151 422	157 630	240 681	79 313	96 560
Greece					
Burnt pyrites	52 839	42 338	38 537	45 405	...
Italy (a)	17 854 447	15 220 010	16 740 560	16 402 741	...
Netherlands (a)	7 902 383	7 532 106	8 560 427	8 568 657	...
Portugal	466 000	569 000	486 602	593 827	...
Spain	7 596 585	6 951 155	6 664 477	7 584 042	...
Sweden	442 000	355 000	587 000	382 000	...
Bulgaria	551 200	346 100	878 500	723 300	...
Czechoslovakia	12 078 000	6 658 000	—	—	—
Czech Republic	—	—	7 550 000	7 282 000	9 141 000
Hungary	849 000	1 286 982	818 932	2 179 368	...
Iceland	16 844	17 000	22 000	...	...
Lithuania	—	...	...	7 654	6 755
Norway	(a) 28 937	(a) 131 527	(a) 619 405	6 836	68 461
Poland	8 700 000	8 025 000	8 776 000	8 414 000	...
Romania	6 862 136	2 346 181	3 573 503	5 452 091	6 266 214
Slovakia	—	—	5 298 060	4 865 000	...
Switzerland (a)	20 390	14 221	15 434	23 030	21 341
Turkey	2 721 000	1 887 000	1 684 986	1 951 329	3 221 358
Yugoslavia (f)	(d) 293 903	1 065 233	...	...	...
Egypt	987 150	1 267 496	1 180 000	599 049	...
Libya	1 422 000	987 000	1 302 000	...	...
Nigeria (a)	200 000	160 000	*150 000	...	...
Tunisia	74 822	88 066	80 974	81 399	...
Canada	4 620 082	5 280 481	5 436 091	5 235 832	5 968 843
Mexico	57 033	109 968	23 460	34 573	...
Trinidad & Tobago	586 768	253 343	199 417	1 450 526	...
USA (a)	13 352 531	12 438 198	14 059 221	17 551 357	17 509 695
Argentina	2 310 419	3 574 092	3 204 605	3 819 661	...
Paraguay					
Burnt pyrites	192 294	130 206	116 563	47 008	...
Abu Dhabi	23 364	26 352	60 262	...	...
China					
Iron ore	18 458 146	25 171 190	32 675 989	37 231 349	...
Burnt pyrites	91 287	53 083	370 830	...	...
India (e)	73 260	26 263	163 828	1 522 903	...
Indonesia					
Iron ore	158 277	307 194	730 574	373 679	...
Burnt pyrites	1 613 101	1 967 824	1 393 536	1 232 721	...
Iran (b)	*2 232 000	*1 163 000	*2 291 000	*2 751 900	...
Japan	127 186 458	113 742 502	114 483 512	116 089 531	...
Korea, Republic of					
Iron ore	28 939 547	31 778 699	35 533 540	34 200 227	...
Burnt pyrites	9 927	4 985	15 265	49 767	...

**Imports of Iron Ore**

tonnes

Country	1991	1992	1993	1994	1995
Malaysia	1 159 980	722 602	1 404 236	1 247 013	...
Oman	—	4 158	4 039	...	...
Pakistan (c)	1 418 221	1 587 159	1 572 274	2 071 200	...
Philippines	4 265 051	3 323 938	—	3 253 935	...
Qatar	743 475	787 205	222 630	...	...
Saudi Arabia	1 093 554	2 170 393	2 760 377	3 268 188	...
Singapore	1 631	200	264	287	150
Taiwan	8 433 068	7 250 604	9 019 275	8 341 715	9 192 402
Australia	2 946 000	3 474 000	3 487 000	4 001 000	4 197 000

(a) Including burnt pyrites

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

(c) Years ended 30 June of that stated

(d) Data for the Federal Republic of Yugoslavia only

(e) Years ended 31 March following that stated

(f) As from 1992 data is for Serbia and Montenegro only

## Production of Pig Iron

Country	1991	1992	1993	1994	1995
United Kingdom	11 883 400	11 542 400	11 534 000	11 942 800	12 235 800
Austria	3 441 450	3 074 169	3 070 343	3 318 000	3 878 000
Belgium	9 354 000	8 524 000	8 179 000	8 986 000	9 198 000
Finland	2 332 000	2 452 000	2 535 000	2 597 000	2 242 000
France	12 756 000	12 258 000	11 882 000	13 301 000	13 154 000
Germany, Federal Republic of	29 497 000	27 399 000	*24 700 000	29 923 000	29 828 000
Italy	10 845 232	10 524 000	11 187 000	11 159 000	11 664 000
Luxembourg	2 463 000	2 255 200	2 412 000	1 926 890	1 028 230
Netherlands	4 696 500	4 846 600	5 405 200	5 554 400	5 646 500
Portugal	251 000	402 000	398 000	415 000	416 000
Spain	5 404 000	5 076 000	5 388 000	5 448 000	5 128 000
Sweden	2 812 000	2 735 000	2 845 000	3 037 000	3 020 000
Bosnia & Herzegovina	—	*150 000	*100 000	*100 000	...
Bulgaria	943 000	837 000	998 000	1 441 000	1 607 000
Czechoslovakia	8 479 000	8 034 000	—	—	—
Czech Republic	—	—	4 668 000	5 287 000	5 274 000
Georgia	—	*274 000	*88 000	...	...
Hungary	1 314 000	1 176 000	1 407 000	1 589 910	1 514 597
Macedonia	—	*13 189	—	—	...
Poland	5 999 000	6 021 000	5 899 000	6 577 000	7 384 000
Romania	4 525 000	3 135 000	3 191 000	3 485 000	4 230 000
Russia	—	46 100 000	40 900 000	36 500 000	39 800 000
Slovakia	—	—	3 205 000	3 330 000	3 207 000
Soviet Union	90 953 000	—	—	—	—
Switzerland	105 000	110 000	*110 000	*110 000	...
Turkey	4 992 563	4 936 021	4 489 000	4 604 000	4 403 000
Ukraine	—	35 400 000	26 900 000	19 984 000	17 469 000
Yugoslavia (d)	(b) 1 258 000	512 000	62 000	17 000	107 000
Algeria	877 000	*915 000	*910 000	*910 000	...
Egypt (c)	113 156	60 045	91 599	108 738	...
Nigeria	108 000	50 000	...	...	...
South Africa	6 968 000	6 498 000	6 940 000	6 047 000	5 942 000
Tunisia	161 400	146 600	154 100	143 700	151 000
Zimbabwe	535 000	507 000	211 000	187 000	209 000
Canada	8 267 542	8 621 236	8 633 301	8 106 006	8 464 191
Mexico	5 424 000	5 724 456	6 160 137	6 718 235	7 833 192
Trinidad & Tobago	654 000	647 700	714 500	946 600	1 100 000
USA	44 533 000	47 767 000	48 595 000	49 379 475	50 904 000
Argentina	2 259 028	1 993 047	2 140 226	2 658 223	2 830 000
Brazil	22 920 500	23 382 100	24 231 300	25 394 300	25 377 900
Chile	703 356	873 032	916 655	885 900	855 000
Colombia	305 431	307 900	238 177	244 518	282 000
Paraguay	67 642	92 136	81 233	90 018	103 000
Peru	231 256	148 036	201 332	217 348	258 000
Venezuela	4 074 159	4 362 535	4 431 730	4 802 745	3 782 000
China	67 650 000	75 890 000	87 388 900	97 410 000	101 709 000
India	14 176 000	15 126 000	15 674 000	17 808 000	18 683 000
Iran (a)	2 544 838	2 757 721	1 963 000	1 886 000	1 535 000
Japan	79 985 000	73 144 000	73 041 000	73 776 000	74 902 000
Kazakhstan	—	4 666 300	3 551 700	2 432 000	2 489 000
Korea, Dem. P.R. of	*6 000 000	*6 000 000	6 000 000	*6 000 000	...
Korea, Republic of	18 546 017	19 238 122	21 869 566	21 169 000	22 344 000
Pakistan (c)	1 032 733	1 048 130	1 267 670	1 252 080	...
Taiwan	18 487	13 770	21 261	27 039	25 325

**Production of Pig Iron**

tonnes

Country	1991	1992	1993	1994	1995
Australia	5 647 000	6 388 000	6 766 000	6 467 000	7 476 000
World total	508 100 000	504 200 000	503 800 000	515 800 000	528 300 000

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 20 March following that stated  
 (b) Excluding data from August to December for the Republic of Croatia  
 (c) Years ended 30 June of that stated  
 (d) As from 1992 data is for Serbia and Montenegro only

## Production of Steel Ingots and Castings

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	16 474 400	16 211 900	16 624 700	17 285 800	17 603 600
Austria	3 897 392	3 600 380	2 969 501	4 398 887	4 919 840
Belgium	11 334 883	10 337 352	10 172 000	11 332 000	11 592 000
Denmark	632 000	591 000	603 000	722 000	651 000
Finland	1 975 373	1 996 573	3 256 000	3 420 000	3 176 000
France	18 434 148	17 960 513	17 106 000	18 031 000	18 104 000
Germany, Federal Republic of	42 169 000	39 711 000	37 625 000	40 837 000	41 845 000
Greece	980 000	923 510	1 031 000	847 612	939 170
Irish Republic	322 000	265 000	293 000	316 000	309 900
Italy	25 112 000	24 835 000	25 721 000	26 151 000	27 766 000
Luxembourg	3 379 440	3 068 463	3 292 942	3 778 869	3 078 812
Netherlands	5 171 300	5 439 000	6 000 100	6 171 200	6 409 100
Portugal	541 000	768 000	775 000	748 000	817 000
Spain	12 932 000	12 254 000	12 960 000	13 417 000	13 937 000
Sweden	4 252 000	4 358 000	4 592 000	4 955 000	4 926 000
Azerbaijan	—	385 000	228 000	36 000	12 000
Belarus	—	*544 000	766 000	873 000	724 000
Bosnia & Herzegovina	—	*135 000	*115 000	*100 000	...
Bulgaria	1 615 000	1 551 000	1 941 000	2 491 000	2 728 000
Croatia	—	101 942	73 815	63 352	45 000
Czechoslovakia	12 071 000	11 147 000	—	—	—
Czech Republic	—	—	6 732 000	7 085 000	7 184 000
Georgia	—	529 000	215 000	116 000	86 000
Hungary	1 930 000	1 541 000	1 752 000	1 937 000	1 865 000
Latvia	—	247 800	300 000	332 000	350 000
Macedonia	—	140 000	123 000	92 000	27 000
Moldova	—	619 000	604 000	632 000	662 000
Norway	437 604	446 234	505 318	454 000	505 000
Poland	10 432 000	9 867 000	9 939 000	11 113 000	11 890 000
Romania	7 110 000	5 376 000	5 446 000	5 750 000	6 328 000
Russia	—	67 000 000	58 300 000	48 800 000	51 600 000
Slovakia	—	—	3 768 000	3 948 000	3 921 000
Slovenia	—	400 000	347 000	416 000	394 000
Soviet Union	132 839 000	—	—	—	—
Switzerland	955 000	1 050 000	*1 000 000	1 000 000	800 000
Turkey	9 397 697	10 342 916	11 414 000	12 074 000	12 716 000
Ukraine	—	41 800 000	30 537 000	23 798 000	21 842 000
Yugoslavia (d)	(c) 2 176 000	665 000	183 000	137 000	180 000
Algeria	838 000	*850 000	865 000	808 000	809 000
Angola	*10 000	*10 000	*10 000	*10 000	...
Egypt	2 556 000	2 524 000	2 811 000	2 622 000	2 616 000
Libya	718 000	822 000	960 000	874 000	862 000
Nigeria	137 000	*140 000	*140 000	58 000	...
South Africa	9 358 000	9 062 000	8 613 000	8 320 000	8 511 000
Tunisia	193 000	181 500	181 900	182 800	200 000
Zimbabwe	581 000	559 000	222 000	187 000	210 000
Canada	12 987 433	13 933 466	14 387 400	13 896 953	13 996 155
Cuba	180 130	133 900	90 514	130 912	197 000
Dominican Republic	39 299	32 628	...	...	...
Mexico	7 964 016	8 459 429	9 198 784	10 260 109	12 128 000
Trinidad & Tobago	439 700	552 800	492 100	630 200	670 000
USA	79 738 000	84 322 000	88 793 000	91 200 000	93 600 000
Argentina	2 971 670	2 679 900	2 885 904	3 248 891	3 574 700
Brazil	22 617 300	23 934 000	25 207 000	25 746 800	25 076 400
Chile	807 069	1 012 758	1 068 828	1 039 658	1 013 000
Colombia	651 980	656 782	687 432	693 498	742 000
Paraguay	60 862	85 954	76 507	87 055	90 000
Peru	403 766	343 244	417 136	509 145	511 000
Uruguay	41 245	55 153	35 933	36 110	40 000
Venezuela	3 315 027	3 489 198	3 391 812	3 524 153	3 564 000
Bangladesh (b)	57 520	36 796	7 043	6 054	25 346
China	71 000 000	80 940 000	89 556 400	92 620 000	92 968 000
Hong Kong	*150 000	*150 000	*150 000	*150 000	...

## Production of Steel Ingots and Castings

tonnes

Country	1991	1992	1993	1994	1995
India	17 100 000	18 117 000	18 155 000	19 285 000	20 291 000
Indonesia	3 250 000	3 171 072	1 947 511	*2 000 000	...
Iran	2 406 099	3 081 311	4 095 744	4 746 755	4 696 000
Israel	120 000	109 000	*120 000	*120 000	...
Japan	109 649 146	98 132 000	99 623 000	98 296 000	101 646 000
Jordan	200 300	243 700	181 400	*181 000	...
Kazakhstan	—	5 675 000	4 279 000	2 840 000	2 924 000
Korea, Dem. P.R. of	*7 000 000	*7 000 000	*7 000 000	*7 000 000	6 500 000
Korea, Republic of	26 001 000	28 054 000	33 027 000	33 745 000	36 761 000
Malaysia	1 130 000	1 559 000	1 807 000	1 900 000	...
Pakistan	870 000	853 000	992 000	1 000 000	...
Philippines	605 000	497 000	623 000	473 000	...
Qatar	564 000	588 059	620 000	571 000	605 000
Saudi Arabia	1 783 000	1 866 000	2 357 000	2 435 000	2 451 000
Singapore	510 000	482 000	520 000	530 000	...
Syria	*70 000	*70 000	*70 000	*70 000	...
Taiwan	11 083 000	10 705 000	11 975 000	11 590 000	11 642 000
Thailand	711 134	929 000	954 000	1 461 000	...
Uzbekistan	—	630 000	573 000	352 000	362 000
Vietnam	183 000	219 000	270 000	301 000	...
Australia (a)	6 017 000	6 990 000	7 837 000	8 455 000	8 495 000
New Zealand	800 000	632 219	670 104	772 296	865 155
World total	734 000 000	721 000 000	725 000 000	729 000 000	747 000 000

## 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) Excluding data from August to December for the Republic of Croatia

(d) As from 1992 data is for Serbia and Montenegro only



## Production of Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ferro-manganese	178 400	136 500	45 100	—	—
Austria					
Electric furnace ferro-alloys	*12 000	*12 000	*12 000	*12 000	...
Belgium					
Ferro-manganese	*25 000	*25 000	*25 000	*25 000	...
Finland					
Electric furnace ferro-alloys					
Ferro-chrome & ferro-silico-chrome	195 612	196 870	195 063	253 450	232 000
France					
Blast furnace ferro-alloys					
Spiegeleisen & ferro-manganese	237 679	*280 000	*250 000	*300 000	...
Electric furnace ferro-alloys (h)					
Ferro-chrome & ferro-silico-chrome	23 100	6 694	—	—	—
Ferro-silico-manganese	63 400	63 100	76 138	66 230	71 300
Ferro-titanium	105 800	98 100	83 663	111 590	108 000
Ferro-titanium & Fe-W,Fe-Mo,Fe-V (a)	3 920	3 900	1 462	—	—
Other ferro-alloys	*42 500	32 000	29 000	19 500	55 000
Silicon metal	63 600	66 000	58 950	66 000	71 450
Germany, Federal Republic of					
Blast furnace ferro-alloys					
Spiegeleisen & ferro-manganese (g)	*220 000	*130 000	*100 000	...	...
Electric furnace ferro-alloys					
Ferro-chrome	*33 650	26 520	16 400	*17 300	...
Ferro-manganese & ferro-silico-manganese	*40 000	*30 000	*20 000	*20 000	...
Ferro-silicon	*50 000	*20 000	*20 000	*20 000	...
Other ferro-alloys	*40 000	*30 000	*30 000	*30 000	...
Greece					
Electric furnace ferro-alloys					
Ferro-chrome	*15 000	—	—	—	...
Ferro-nickel	64 020	*65 000	*45 000	*63 000	...
Italy					
Blast furnace ferro-alloys					
Ferro-manganese	10 814	10 716	...	...	...
Electric furnace ferro-alloys					
Ferro-chrome	47 192	60 315	53 504	*22 700	...
Ferro-manganese	14 145	17 079	*17 000	*16 000	...
Ferro-silico-manganese	103 000	101 000	*100 000	*40 000	...
Ferro-silicon	12 648	3 350	...	...	...
Ferro-titanium & ferro-silico-titanium	1 000	1 000	...	...	...
Calcium silicide	9 000	6 000	...	...	...
Silicon metal	6 000	10 000	*10 000	...	...
Portugal					
Electric furnace ferro-alloys					
Ferro-manganese	16 070	14 545	16 175	*14 330	14 535
Spain					
Electric furnace ferro-alloys					
Ferro-chrome	*6 000	—	2 390	*2 000	...
Ferro-manganese	*50 000	*50 000	*40 000	*35 000	...
Ferro-silico-manganese	*40 000	*40 000	*40 000	*35 000	...
Ferro-silicon	*40 000	*40 000	*30 000	*25 000	...
Other ferro-alloys	*5 000	*5 000	*5 000	*4 000	...
Silicon metal	*9 000	*10 000	*5 000	*3 000	...
Sweden					
Electric furnace ferro-alloys					
Ferro-chrome	117 773	133 076	116 060	133 811	130 170
Ferro-silicon	18 627	15 451	20 381	21 392	21 970
Albania					
Electric furnace ferro-alloys					
Ferro-chrome	25 300	24 000	35 000	33 000	43 000
Bosnia & Herzegovina					
Electric furnace ferro-alloys					
Ferro-silicon	—	*5 000	*1 000	*1 000	...
Silicon metal	—	*2 000	*200	*200	...

## Production of Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
<b>Bulgaria</b>					
Electric furnace ferro-alloys					
Ferro-silicon	*252 000	*18 000	*18 000	*18 000	...
Other ferro-alloys	*2 800	*2 000	*2 000	*2 000	...
<b>Croatia</b>					
Electric furnace ferro-alloys					
Ferro-chrome	—	56 456	27 336	*32 000	...
Ferro-manganese	—	*10 000	*10 000	*10 000	...
Ferro-silico-manganese	—	*40 000	*40 000	*40 000	...
<b>Czechoslovakia</b>					
Electric furnace ferro-alloys					
Ferro-chrome	33 860	37 756	—	—	—
Ferro-manganese	*60 000	*50 000	—	—	—
Ferro-silico-manganese	*30 000	*30 000	—	—	—
Ferro-silicon	*15 000	*15 000	—	—	—
Other ferro-alloys	*10 000	*10 000	—	—	—
Silicon metal	*5 000	*5 000	—	—	—
<b>Georgia</b>					
Electric furnace ferro-alloys					
Ferro-manganese	—	*100 000	*100 000	*50 000	...
Ferro-silico-manganese	—	*50 000	*50 000	*25 000	...
<b>Hungary</b>					
Electric furnace ferro-alloys					
Ferro-silicon	*7 000	*7 000	*7 000	*7 000	...
Other ferro-alloys	*1 000	*1 000	*1 000	*1 000	...
Silicon metal	*1 000	*1 000	*1 000	*1 000	...
<b>Iceland</b>					
Electric furnace ferro-alloys					
Ferro-silicon	47 872	51 413	67 400	66 000	...
<b>Macedonia</b>					
Electric furnace ferro-alloys					
Ferro-chrome	—	3 958	4 376	3 160	...
Ferro-silicon	—	*30 000	*20 000	*20 000	...
Silicon metal	—	*1 000	*1 000	*1 000	...
<b>Norway</b>					
Electric furnace ferro-alloys					
Ferro-chrome	*83 000	102 000	80 000	120 000	(c) ...
Ferro-manganese	173 212	202 680	*200 000	249 000	(c) ...
Ferro-silico-manganese	226 737	213 106	*210 000	197 000	(c) ...
Ferro-silicon	413 764	376 872	399 559	452 984	474 875
Other ferro-alloys	*14 000	*14 000	*14 000	*14 000	586 786
Silicon metal	71 530	72 782	81 259	91 714	100 767
<b>Poland</b>					
Blast furnace ferro-alloys					
Ferro-manganese	57 400	43 400	*56 400	*55 000	...
Electric furnace ferro-alloys					
Ferro-chrome	1 300	35 300	38 449	*7 000	...
Ferro-manganese & ferro-silico-manganese	*30 000	*30 000	*30 000	*30 000	...
Ferro-silicon	*80 000	*75 000	*70 000	*70 000	...
Other ferro-alloys	*30 000	*25 000	*20 000	*20 000	...
Silicon metal	9 000	*9 000	*9 000	*9 000	...
<b>Romania</b>					
Electric furnace ferro-alloys					
Ferro-chrome	20 380	6 977	3 907	3 885	15 053
Ferro-manganese	*70 000	27 130	16 390	31 295	28 410
Ferro-silico-manganese	*20 000	28 159	22 040	35 800	57 149
Ferro-silicon	*30 000	23 318	23 560	28 385	19 320
Silicon metal	*4 000	*2 000	...	...	...
<b>Russia</b>					
Blast furnace ferro-alloys					
Ferro-manganese	—	*200 000	*150 000	*125 000	65 000
Electric furnace ferro-alloys					
Ferro-chrome	—	*400 000	256 000	*266 000	...
Other ferro-alloys	—	*800 000	*600 000	*600 000	...
<b>Slovakia</b>					
Electric furnace ferro-alloys					
Ferro-chrome	—	—	50 600	*48 500	...
Other ferro-alloys	—	—	*42 000	*45 000	...

## Production of Ferro-alloys

Country	1991	1992	1993	1994	1995
Slovenia					
Electric furnace ferro-alloys					
Ferro-chrome	—	17 104	9 000	*12 600	...
Ferro-silicon	—	*6 000	*4 500	...	...
Soviet Union					
Blast furnace ferro-alloys					
Spiegeleisen	*15 000	—	—	—	—
Ferro-manganese	235 000	—	—	—	—
Electric furnace ferro-alloys					
Ferro-chrome	*700 000	—	—	—	—
Ferro-silico-chrome	*100 000	—	—	—	—
Ferro-manganese	*370 000	—	—	—	—
Ferro-silico-manganese	*1 100 000	—	—	—	—
Ferro-nickel	*85 000	—	—	—	—
Ferro-phosphorus	31 000	—	—	—	—
Ferro-silicon	*1 600 000	—	—	—	—
Other ferro-alloys	*140 000	—	—	—	—
Silicon metal	*60 000	—	—	—	—
Switzerland					
Electric furnace ferro-alloys					
Ferro-silicon	*3 000	*3 000	*3 000	*3 000	...
Silicon metal	*2 000	*2 000	*2 000	*2 000	...
Turkey					
Electric furnace ferro-alloys					
Ferro-chrome	85 693	83 170	90 030	97 540	88 561
Ferro-silicon	1 736	1 250	4 680	4 930	11 900
Ukraine					
Blast furnace ferro-alloys					
Ferro-manganese	—	*50 000	*40 000	*30 000	...
Electric furnace ferro-alloys					
Ferro-manganese	—	*100 000	*80 000	*60 000	...
Ferro-silico-manganese	—	*1 000 000	*700 000	*600 000	...
Ferro-silicon	—	*500 000	*300 000	277 400	...
Other ferro-alloys	—	*40 000	*40 000	*30 000	...
Yugoslavia (j)					
Electric furnace ferro-alloys					
Ferro-chrome	*91 000	—	—	...	...
Ferro-silico-chrome	*3 000	—	—	...	...
Ferro-manganese	*20 000	—	—	...	...
Ferro-silico-manganese	*50 000	—	—	...	...
Ferro-nickel	(b) 11 775	*5 000	1 283	...	...
Ferro-silicon	*80 000	—	—	...	...
Other ferro-alloys	*9 000	—	—	...	...
Silicon metal	*10 000	—	—	...	...
Egypt (i)					
Electric furnace ferro-alloys					
Ferro-silicon	7 900	36 038	40 122	44 393	...
South Africa					
Ferro-chrome (d)	1 149 200	770 600	833 555	1 103 612	1 341 267
Ferro-manganese	259 944	269 807	393 372	590 535	480 162
Ferro-silico-manganese	270 000	267 000	268 000	279 000	...
Ferro-silicon	68 332	63 892	98 843	119 714	89 743
Other ferro-alloys	*1 000	*1 000	*1 000	*1 000	...
Silicon metal	39 791	34 528	38 279	36 169	30 082
Zimbabwe					
Electric furnace ferro-alloys					
Ferro-chrome	186 774	190 994	(d) *130 000	182 852	254 142
Ferro-silico-chrome	27 755	20 282	...	36 351	46 667
Ferro-manganese	...	...	2 150	...	...
Canada					
Electric furnace ferro-alloys					
Ferro-manganese (f)	*45 000	—	—	—	—
Ferro-silicon	*90 000	*80 000	*80 000	*80 000	*80 000
Silicon metal	*30 000	*30 000	*30 000	*30 000	*30 000

**Production of Ferro-alloys**

tonnes

Country	1991	1992	1993	1994	1995
<b>Dominican Republic</b>					
Electric furnace ferro-alloys					
Ferro-nickel	74 813	71 417	60 774	80 193	80 710
<b>Mexico</b>					
Electric furnace ferro-alloys					
Ferro-manganese	147 259	131 203	119 016	117 062	108 903
Ferro-silico-manganese	67 090	57 456	62 828	72 094	76 948
Ferro-silicon	5 836	...	...	...	...
Other ferro-alloys	105	107	...	...	...
<b>USA</b>					
Ferro-chrome (d) (e)	68 327	60 945	63 018	67 361	72 500
Ferro-nickel	14 251	18 167	9 926	—	...
Ferro-phosphorus	36 135	25 098	17 795	(c) ...	...
Ferro-silicon	338 154	346 290	323 351	359 000	309 000
Other ferro-alloys	175 131	164 403	142 772	200 000	...
Silicon metal	145 275	158 550	158 570	158 000	163 000
<b>Argentina</b>					
Electric furnace ferro-alloys					
Ferro-manganese	26 337	4 524	5 446	8 117	...
Ferro-silico-manganese	14 564	30 790	18 455	29 358	...
Ferro-silicon	14 437	8 073	10 627	12 653	...
Other ferro-alloys	5 400	3 600	6 847	12 217	...
Silicon metal	*10 000	*10 000	*10 000	*5 000	...
<b>Brazil</b>					
Electric furnace ferro-alloys					
Ferro-calcium-silicon	21 708	22 756	28 355	23 976	27 192
Ferro-chrome	82 225	91 100	83 892	77 163	95 840
Ferro-silico-chrome	4 524	6 759	4 128	7 735	5 129
Ferro-silico-magnesium	10 168	10 565	10 185	8 412	12 894
Ferro-manganese	169 103	178 937	201 518	199 667	130 207
Ferro-silico-manganese	272 046	299 995	284 147	248 158	167 162
Ferro-nickel	34 069	33 470	36 350	34 157	30 591
Ferro-niobium	18 959	16 303	13 488	17 901	23 185
Ferro-phosphorus	864	32	250	707	695
Ferro-silicon	190 864	243 838	238 864	198 505	243 824
Ferro-titanium	126	4	—	—	—
Other ferro-alloys	191	104	1 941	1 341	669
Silicon metal	106 002	93 734	90 379	90 017	115 756
<b>Chile</b>					
Electric furnace ferro-alloys					
Ferro-chrome	2 509	2 110	680	1 580	...
Ferro-manganese	6 779	7 460	8 854	9 620	...
Ferro-silico-manganese	1 676	1 504	1 231	997	...
Ferro-molybdenum	2 673	2 310	2 202	3 082	...
Ferro-silicon	5 516	3 830	7 550	5 504	...
<b>Colombia</b>					
Ferro-nickel	50 150	49 987	48 281	50 944	*60 000
<b>Venezuela</b>					
Ferro-silico-manganese	30 590	32 115	42 237	46 841	...
Ferro-silicon	54 327	44 552	47 522	41 032	50 389
<b>China</b>					
Ferro-chrome	*380 000	*410 000	*372 000	*370 000	...
Ferro-manganese	*680 000	*750 000	*740 000	*760 000	...
Ferro-silico-manganese	*415 000	*420 000	*525 000	*550 000	...
Ferro-silicon	*817 000	*834 000	1 040 000	1 100 000	...
Other ferro-alloys	*258 000	*236 000	*258 000	*320 000	...
<b>India</b>					
Electric furnace ferro-alloys					
Ferro-chrome (k)	*229 000	*256 000	*258 000	*245 000	...
Ferro-silico-chrome (k)	3 062	*5 888	*3 969	4 074	...
Ferro-manganese (k)	*236 000	*218 000	*158 000	*203 000	...
Ferro-silico-manganese (k)	*75 000	*106 000	*113 000	*172 000	...
Ferro-silicon (k)	*75 000	*87 000	*80 000	*92 000	...
Other ferro-alloys	*6 770	*6 500	*8 600	*8 500	...
Silicon metal (k)	3 136	1 513	671	—	...

## Production of Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Indonesia					
Electric furnace ferro-alloys					
Ferro-nickel	25 025	24 653	*24 000	*27 000	...
Japan					
Electric furnace ferro-alloys					
Ferro-chrome	278 522	275 615	211 102	204 181	221 425
Ferro-manganese	463 722	361 941	382 912	345 153	346 977
Ferro-silico-manganese	87 229	96 360	64 758	69 183	64 870
Ferro-molybdenum	3 729	3 261	3 656	3 930	4 109
Ferro-nickel	295 422	237 350	257 316	242 447	351 337
Ferro-niobium	710	919	1 086	868	37
Ferro-silicon	62 362	37 656	29 084	12 208	3 650
Ferro-tungsten	61	71	80	68	120
Ferro-vanadium	3 847	3 005	3 670	3 418	3 618
Other ferro-alloys	3 970	4 933	5 174	...	...
Kazakhstan					
Electric furnace ferro-alloys					
Ferro-chrome	—	350 000	317 984	326 400	...
Ferro-silico-chrome	—	56 000	36 235	*20 000	...
Ferro-silicon	—	520 000	418 188	207 700	...
Korea, Dem. P.R. of					
Ferro-manganese	*70 000	*70 000	*70 000	*70 000	...
Ferro-silicon	*30 000	*30 000	*30 000	*30 000	...
Other ferro-alloys	*20 000	*20 000	*20 000	*20 000	...
Korea, Republic of					
Electric furnace ferro-alloys					
Ferro-manganese	94 893	85 867	*101 000	*120 000	...
Ferro-silicon	18 912	18 198	*3 000	...	...
Other ferro-alloys	74 173	82 582	82 000	*89 000	...
Philippines					
Electric furnace ferro-alloys					
Ferro-chrome	23 730	*27 400	11 900	16 200	...
Ferro-silicon	*10 000	*10 000	*10 000	*10 000	...
Taiwan					
Electric furnace ferro-alloys					
Ferro-manganese	40 110	37 802	13 628	*7 000	...
Ferro-silico-manganese	12 801	3 991	...	...	...
Ferro-silicon	6 252	2 606	689	*500	...
Thailand					
Electric furnace ferro-alloys					
Ferro-silico-manganese	3 938	4 275	1 500	*1 500	...
Australia					
Electric furnace ferro-alloys					
Ferro-manganese	*45 000	*55 000	*75 000	*100 000	...
Ferro-silico-manganese	*74 000	*75 000	*75 000	*100 000	...
Ferro-silicon	*20 000	*17 000	...	...	...
Silicon metal	*30 000	*30 000	*30 000	*30 000	...
New Caledonia					
Electric furnace ferro-alloys					
Ferro-nickel	119 808	108 889	128 202	*135 000	...

(a) Ti, W, Mo, V content of ferro-titanium, ferro-tungsten, ferro-molybdenum and ferro-vanadium

(b) Excluding data from August to December for the Republic of Croatia

(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) Including ferro-silicon

(h) Including alumino-thermic ferro-alloys

(i) Years ended 30 June of that stated

(j) As from 1992 data is for Serbia and Montenegro only

(k) Years ended 31 March following that stated

## Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Pig iron	16 449	15 678	11 024	2 017	5 006
Sponge & powder	2 712	4 364	2 670	3 159	1 688
Ferro-chrome	1 607	1 892	2 837	5 756	1 606
Ferro-manganese	70 992	59 640	20 031	1 406	619
Ferro-silico-manganese	801	1 112	624	73	783
Ferro-molybdenum	5 083	5 490	4 173	6 342	8 711
Ferro-nickel	14	18	21	1 647	1
Ferro-niobium	1 040	846	291	23	21
Ferro-phosphorus	236	167	520	759	115
Ferro-silicon	3 725	3 748	9 436	6 476	5 814
Ferro-titanium & ferro-silico-titanium	9 241	10 591	13 419	12 825	13 750
Ferro-vanadium	79	146	102	55	27
Other ferro-alloys	10 936	6 472	6 345	5 790	5 194
Ingots, blooms, billets	1 401 463	1 220 702	1 252 797	1 206 314	1 148 356
Scrap	3 247 234	2 797 717	3 857 809	3 538 041	3 331 473
Austria					
Pig iron	13 346	7 613	6 952	181	...
Ferro-alloys	19 808	22 211	20 084	19 080	...
Ingots & blooms	9 394	18 644	51 225	97 357	...
Scrap	503 860	399 936	460 329	467 015	...
Belgium-Luxembourg					
Pig iron	5 519	13 244	62 075	178 319	...
Sponge & powder	2 120	1 511	1 458	1 334	...
Ferro-chrome	4 117	2 594	16 903	6 862	...
Ferro-manganese	34 671	8 983	12 400	12 855	...
Ferro-silico-manganese	7 934	11 459	12 688	7 657	...
Ferro-silicon	6 641	2 493	7 183	4 849	...
Ferro-titanium & ferro-silico-titanium	102	60	47	284	...
Other ferro-alloys	833	1 140	1 160	2 145	...
Ingots, blooms, billets	850 993	487 060	1 230 798	1 199 758	...
Scrap	1 045 097	1 202 135	1 581 155	1 588 046	...
Denmark					
Ingots, blooms, billets	15 514	16 265	20 818	17 168	23 490
Scrap	290 582	353 767	425 808	330 389	437 205
Finland					
Ferro-chrome & ferro-silico-chrome	118 172	103 236	93 799	...	...
Ingots, blooms, billets	110 225	110 579	136 265	166 542	...
Scrap	57 090	39 397	46 281	108 295	...
France					
Pig iron	7 654	19 451	2 426	1 545	...
Spiegeleisen	1 063	774	64	265	...
Sponge & powder	2 084	2 135	195	1 207	...
Ferro-chrome	22 779	7 180	346	315	...
Ferro-silico-magnesium	6 894	7 159	6 725	9 716	...
Ferro-manganese	57 673	57 678	70 686	58 461	...
Ferro-silico-manganese	56 408	42 607	62 225	71 915	...
Ferro-molybdenum	3 001	3 062	877	158	104
Ferro-nickel	1 801	77	8	38	...
Ferro-silicon	40 018	35 881	26 736	26 867	...
Ferro-titanium & ferro-silico-titanium	689	499	733	1 171	...
Ferro-vanadium	37	6	16	53	...
Ferro-silico-zirconium	1 111	105	—	—	...
Other ferro-alloys	17 704	19 445	24 028	29 367	...
Ingots, blooms, billets	1 255 209	1 000 310	1 648 365	1 561 706	...
Scrap	3 420 340	3 506 595	4 063 637	3 772 256	...

## Exports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
Germany, Federal Republic of					
Pig iron	390 561	298 643	221 155	161 619	118 393
Sponge & powder	21 627	22 397	20 316	19 348	27 142
Ferro-chrome	46 597	51 909	58 847	45 115	45 720
Ferro-silico-chrome	2 960	1 450	1 106	599	1 997
Ferro-silico-magnesium	4 433	5 832	5 450	5 732	6 036
Ferro-manganese	56 031	38 011	22 955	15 370	8 671
Ferro-silico-manganese	9 352	4 983	4 754	6 630	12 412
Ferro-molybdenum	288	297	494	623	1 244
Ferro-nickel	924	1 564	3 146	1 672	577
Ferro-niobium	769	905	855	832	272
Ferro-phosphorus	5 619	4 607	1 573	1 455	2 851
Ferro-silicon	57 914	54 375	44 917	40 966	37 081
Ferro-titanium & ferro-silico-titanium	1 575	1 757	2 135	3 493	4 168
Ferro-tungsten & ferro-silico-tungsten	86	36	38	46	192
Ferro-vanadium	2 181	2 054	1 851	1 120	1 116
Other ferro-alloys	6 483	8 695	10 849	13 426	13 510
Silicon metal	4 763	7 047	6 319	7 609	8 784
Ingots, blooms, billets	1 318 948	1 447 789	1 927 875	1 678 697	1 863 194
Scrap	7 251 020	8 441 147	8 519 683	8 718 742	7 965 122
Greece					
Ferro-chrome	16 484	8 100	2 285	...	...
Ferro-nickel	203	181	—	...	...
Ingots, blooms, billets	38 713	24 185	65 223	15 000	...
Irish Republic					
Scrap	18 048	16 069	54 157	66 976	32 842
Italy					
Pig iron	46 336	37 310	16 763	2 658	...
Sponge & powder	9 573	10 589	10 919	13 737	...
Ferro-chrome	4 015	9 827	7 253	1 922	...
Ferro-silico-chrome	558	936	9	1	...
Ferro-silico-magnesium	283	140	62	—	...
Ferro-manganese	7 904	9 598	6 788	8 234	...
Ferro-silico-manganese	26 816	13 800	16 113	2 978	...
Ferro-silicon	3 457	3 959	3 550	2 044	...
Ferro-titanium & ferro-silico-titanium	965	318	92	11	...
Other ferro-alloys	3 414	1 188	316	2 001	...
Silicon metal	2 875	6 975	1 893	34 687	...
Ingots, blooms, billets	253 036	371 980	1 391 115	636 138	...
Scrap	11 538	13 319	14 124	12 795	...
Netherlands					
Pig iron	2 719	1 387	53 150	39 039	...
Sponge & powder	722	208	916	356	...
Ferro-chrome	1 299	197	39 785	56 037	...
Ferro-manganese	272	470	4 356	17 694	...
Ferro-silico-manganese	—	545	3 549	29 431	...
Ferro-molybdenum	389	189	1 258	2 093	...
Ferro-silicon	342	269	44 493	27 916	...
Ferro-titanium & ferro-silico-titanium	424	—	256	455	...
Ferro-vanadium	—	—	356	227	...
Other ferro-alloys	339	249	2 029	5 142	...
Silicon metal	5 108	5 568	8 314	15 871	...
Ingots, blooms, billets	1 025 923	1 067 400	1 571 517	1 504 908	...
Scrap	3 530 954	3 249 515	5 532 317	3 812 657	...
Portugal					
Ferro-silicon	3 916	913	3	...	...
Other ferro-alloys	371	—	101	...	...
Scrap	32 980	17 714	58 003	18 363	...
Spain					
Pig iron	133	13	56 764	608	...
Ferro-chrome	1 895	128	153	186	...
Ferro-manganese	16 248	23 812	7 084	21 505	...
Ferro-silico-manganese	12 650	10 008	18 301	29 312	...
Ferro-silicon	7 425	3 722	5 786	3 008	...
Other ferro-alloys	231	177	278	264	...
Silicon metal	298	465	1 225	2 929	...
Ingots, blooms, billets	222 950	283 523	226 016	110 249	...
Scrap	25 486	25 753	18 530	16 206	...

## Exports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
Sweden					
Pig iron	9 487	31 728	44 664	30 250	...
Sponge & powder	121 354	128 564	129 516	151 537	...
Ferro-chrome	18 879	91 386	76 272	99 937	...
Ferro-manganese	538	984	1 406	2 737	...
Ferro-silico-manganese	60	109	257	154	...
Ferro-molybdenum	112	112	65	106	...
Ferro-niobium	74	85	141	26	...
Ferro-silicon	11 648	10 171	14 780	15 191	...
Ferro-titanium & ferro-silico-titanium	121	33	76	220	...
Ferro-vanadium	17	20	35	149	...
Other ferro-alloys	255	657	901	889	...
Silicon metal	1 464	353	800	*100	...
Ingots, blooms, billets	338 092	289 282	288 278	158 499	...
Scrap	236 760	66 484	231 083	349 850	...
Albania					
Ferro-chrome (f)	*15 400	*8 500	*24 800	*34 400	...
Azerbaijan					
Scrap (f)	—	...	...	*9 300	...
Belarus					
Ingots, blooms, billets (f)	—	*23 300	*93 400	*69 800	...
Scrap (f)	—	*6 700	*12 700	*4 200	...
Bulgaria					
Pig iron	4 000	5 700	9 800	1 000	...
Ferro-alloys	6 300	2 300	3 100	(f) *3 300	...
Ingots, blooms, billets	63 000	183 200	334 600	283 000	...
Scrap (f)	*27 300	*118 800	*164 900	*195 000	...
Croatia					
Ferro-chrome	—	53 685	21 395	...	...
Ferro-silico-manganese	—	20 536	9 315	...	...
Scrap	—	51 891	45 354	...	...
Czechoslovakia					
Pig iron (f)	...	*25 700	—	—	—
Ferro-chrome (f)	*16 700	*44 500	—	—	—
Ferro-manganese (f)	*38 000	*5 600	—	—	—
Other ferro-alloys (f)	*4 800	*2 600	—	—	—
Blooms	731 500	613 000	—	—	—
Scrap	(f) *346 000	699 000	—	—	—
Czech Republic					
Ferro-chrome (f)	—	—	*61 800	...	...
Other ferro-alloys	—	—	(f) *3 200	5 029	...
Ingots, blooms, billets	—	—	605 000	1 094 000	...
Scrap	—	—	1 086 000	987 000	...
Estonia					
Pig iron (f)	—	*5 900	...	*37 100	...
Ferro-chrome (f)	—	...	*1 000	*4 800	...
Scrap	—	42 000	203 000	(f) *156 100	...
Georgia					
Pig iron (f)	—	...	...	*9 600	...
Ferro-alloys (f)	—	...	...	*32 000	...
Ingots, blooms, billets (f)	—	*2 900	*25 300	*11 200	...
Scrap (f)	—	*800	*30 700	*55 500	...
Hungary					
Pig iron	3 200	4 174	—	—	...
Ferro-alloys	5 100	5 220	4 222	5 081	...
Ingots, blooms, billets	82 000	23 401	21 131	15 717	...
Scrap	382 000	455 239	552 541	652 817	...
Iceland					
Ferro-silicon	53 452	56 898	64 457	70 798	71 453
Scrap	86	4 649	15 624	...	...
Latvia					
Pig iron (f)	—	*2 300	*134 700	*111 200	...
Ferro-chrome (f)	—	*1 100	*600	*14 200	...
Other ferro-alloys (f)	*1 700	*5 700	*4 100	...	...
Ingots, blooms, billets (f)	*800	*15 400	*55 900	...	...
Scrap	—	8 000	8 000	19 172	...



## Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Lithuania					
Pig iron (f)	—	*5 400	*10 000	*64 600	...
Scrap (f)	—	*9 500	*184 600	*384 200	...
Macedonia					
Ferro-silicon	—	(f) *2 300	(f) *38 500	46 941	...
Other ferro-alloys	—	—	...	62 000	...
Silicon metal (f)	—	*3 000	*5 100	*6 800	...
Malta					
Scrap	...	9 412	...	...	...
Moldova					
Pig iron (a) (f)	—	...	...	*28 300	...
Ingots, blooms, billets (a) (f)	—	*8 600	*163 300	*153 300	...
Scrap (a) (f)	—	...	...	*7 500	...
Norway					
Pig iron	58 633	67 000	65 000	83 000	...
Ferro-chrome	85 645	(f) *104 800	(f) *70 300	(f) *52 000	—
Ferro-manganese	145 128	(f) *158 700	(f) *154 700	(f) *170 000	—
Ferro-silico-manganese	205 186	195 630	196 062	165 544	176 406
Ferro-silicon	371 616	351 646	377 035	404 071	404 497
Other ferro-alloys	12 559	13 242	12 684	23 574	29 051
Silicon metal	60 827	65 610	76 530	91 793	98 323
Ingots, blooms, billets	22 782	62 362	68 937	39 140	191
Scrap	15 662	12 058	10 360	63 189	96 875
Poland					
Pig iron & ferro-alloys	196 938	92 799	67 802	109 953	265 300
Ingots, blooms, billets	22 932	1 639 723	1 080 000	1 491 000	...
Scrap	181 207	1 240 000	1 012 000	448 440	...
Romania					
Ingots, blooms, billets	381	3 624	371	1 217	294
Scrap	1 462	134 095	17 385	4 656	8 044
Russia					
Pig iron	3 198 000	1 930 900	2 268 400	3 344 000	2 848 000
Ferro-alloys	490 000	202 870	294 946	(f) *490 400	...
Ingots, blooms, billets	—	4 603 812	6 830 049	9 029 000	...
Scrap	368 000	432 549	484 862	(f) *1 122 400	...
Slovakia					
Pig iron	—	—	127 000	167 000	...
Ferro-chrome & ferro-silico-chrome (f)	—	—	*9 300	*34 700	...
Ferro-manganese & ferro-silico-manganese (f)	—	—	*3 200	*38 600	...
Ferro-silicon (f)	—	—	*8 900	*33 500	...
Other ferro-alloys (f)	—	—	*200	*51 700	...
Ingots, blooms, billets	—	—	266 000	259 000	...
Scrap	—	—	85 000	133 000	...
Slovenia					
Scrap	—	32 926	50 064	34 143	...
Soviet Union					
Sponge & powder (f)	*318 100	—	—	—	—
Ingots, blooms, billets (f)	*1 579 400	—	—	—	—
Switzerland					
Sponge & powder	556	640	425	470	396
Ferro-alloys	387	75	605	614	5 088
Ingots, blooms, billets	38 922	47 177	39 746	10 632	2 265
Scrap	70 198	66 809	67 592	86 515	312 184
Turkey					
Pig iron	192 918	88 142	83 913	92 249	42
Ferro-chrome	78 469	74 205	92 301	102 678	72 112
Ingots, blooms, billets	984 698	1 648 568	1 765 330	2 144 591	1 746 491
Scrap	9 749	12 378	15 436	36 226	13 448
Ukraine					
Pig iron (f)	—	*429 500	*1 351 300	*1 065 500	...
Ferro-chrome & ferro-silico-chrome (f)	—	*900	*20 400	*12 100	...
Ferro-manganese & ferro-silico-manganese (f)	—	*56 500	*178 500	*176 400	...
Other ferro-alloys (f)	—	*6 300	*46 900	*104 000	...
Ingots, blooms, billets (f)	—	*245 000	*1 858 200	*2 634 100	...
Scrap (f)	—	*31 000	*71 000	*178 400	...

## Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Yugoslavia (h)					
Pig iron	(g) —	12 818	...	...	...
Ferro-nickel	(g) 11 622	5 616	...	...	...
Ingots, blooms, billets	(g) 15 898	2 980	...	...	...
Scrap	(g) 34 910	19 544	...	...	...
Algeria					
Pig iron	273 625	157 850	136 000	105 474	...
Scrap	30 889	17 943	...	15 159	...
Morocco					
Scrap	52 628	39 126	153 150	108 104	...
Senegal					
Scrap	7 361	4 845	...	...	...
South Africa					
Pig iron (f)	*164 000	*299 900	*374 900	*192 200	...
Ferro-chrome	978 100	736 600	589 547	(f) *982 000	...
Ferro-manganese (i)	*400 000	*430 000	428 700	*610 000	...
Ferro-silicon	17 409	25 488	31 921	(f) *43 600	...
Silicon metal	32 204	38 078	38 849	(f) *29 600	...
Ingots, blooms, billets (f)	*409 400	*755 200	*691 300	*416 000	...
Scrap (f)	*78 300	*121 600	*170 300	*156 900	...
Tunisia					
Scrap	5 217	2 731	225	321	...
Zimbabwe					
Ferro-chrome	182 477	157 943	...	...	...
Ferro-silico-chrome	22 060	19 181	...	...	...
Ingots, blooms, billets	237 583	215 627	...	...	...
Scrap	24 410	16 149	...	...	...
Canada					
Pig iron	84 273	55 013	61 920	64 125	129 001
Sponge & powder	33 542	45 394	132 970	71 057	72 803
Ferro-chrome	343	150	188	768	986
Ferro-manganese	13 657	373	665	274	1 440
Ferro-silico-manganese	17 530	147	187	385	127
Ferro-silicon	34 047	30 003	29 335	32 975	28 880
Other ferro-alloys	600	1 032	1 133	1 337	3 664
Silicon metal	13 072	20 893	22 562	24 534	25 250
Ingots, blooms, billets	306 994	268 615	324 040	297 994	419 412
Scrap	1 076 549	1 118 548	1 293 930	1 634 224	2 128 784
Cuba					
Scrap	*110 000	...	...	...	...
Dominican Republic					
Ferro-nickel	75 028	70 348	65 313	81 675	73 777
Mexico					
Ferro-manganese	(c) ...	(c) ...	38 880	36 772	...
Ferro-silico-manganese	(c) ...	(c) ...	24 816	18 508	...
Other ferro-alloys	69 861	58 761	108	159	...
Ingots, blooms, billets	430 926	872 808	1 156 407	1 263 857	...
Scrap	42 382	47 059	131 866	180 204	...
Nicaragua					
Scrap	18 863	14 466	29 433	24 613	...
Trinidad & Tobago					
Sponge	159 997	128 182	155 533	232 395	...
Ingots, blooms, billets	5 265	4 845	14 669	...	...

## Exports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
<b>USA</b>					
Pig iron	18 748	35 611	28 948	64 618	57 782
Sponge & powder	21 917	34 000	42 939	48 817	47 339
Ferro-chrome & ferro-silico-chrome	12 393	13 056	12 656	18 619	20 058
Ferro-manganese	15 334	16 802	24 065	13 826	13 274
Ferro-silico-manganese	3 861	10 813	8 834	10 473	11 790
Ferro-molybdenum	405	573	374	795	1 225
Ferro-nickel	1 903	4 055	1 019	68	2 179
Ferro-niobium	916	919	815	234	...
Ferro-phosphorus	2 934	2 136	1 806	...	...
Ferro-silicon	52 621	59 661	39 506	39 670	49 843
Ferro-vanadium	193	374	291	498	453
Other ferro-alloys	3 776	3 169	3 067	...	...
Silicon metal	9 190	9 536	11 280	12 743	26 944
Ingots, blooms, billets	640 504	392 713	519 087	170 758	435 433
Scrap	9 342 023	9 219 692	9 871 716	8 853 614	10 444 688
<b>Argentina</b>					
Ferro-silicon	7 823	1 400	2 835	5 512	...
Other ferro-alloys	9 716	13 103	2 205	8 553	...
Ingots, blooms, billets	115 109	1 166	15 203	...	...
<b>Brazil</b>					
Pig iron	2 497 476	2 454 236	1 858 952	2 631 114	2 670 405
Ferro-chrome	27 100	23 936	11 803	7 133	24 343
Ferro-manganese	61 190	47 337	64 778	79 611	30 192
Ferro-nickel	21 678	15 363	17 226	12 969	12 696
Ferro-niobium	13 557	16 467	13 643	17 631	20 200
Fe-silico-spiegeleisen & silico-manganese	128 393	155 836	162 266	81 977	38 953
Ferro-silicon	157 711	191 863	228 539	183 907	181 093
Other ferro-alloys	19 055	23 084	28 676	27 640	32 315
Silicon metal	84 750	73 071	84 709	85 158	115 287
Ingots, blooms, billets	4 438 689	4 640 251	5 309 251	4 827 147	5 130 334
<b>Chile</b>					
Ferro-alloys	6 505	5 972	5 177	6 045	6 797
Ingots, blooms, billets	72 202	98 156	32 381	27 545	25 203
Scrap	12 964	458	11 401	27 160	1 390
<b>Colombia</b>					
Ferro-nickel	48 084	48 049	49 379	51 455	...
<b>Venezuela</b>					
Sponge & powder	551 085	714 102	1 023 694	1 016 832	...
Ferro-silico-manganese	5 967	13 597	26 164	...	...
Ferro-silicon	54 544	30 271	35 445	(i) 51 461	...
Ingots, blooms, billets	655 730	751 030	978 975	955 406	...
Scrap	77 029	114 652	128 291	96 167	...
<b>Bahrain</b>					
Scrap	27 458	...	45 973	...	...
<b>China</b>					
Pig iron	624 210	619 035	336 436	1 541 334	...
Ferro-chrome	29 768	60 544	129 721	127 001	...
Ferro-silico-chrome	(c) ...	9 868	7 370	30 752	...
Ferro-manganese	73 722	79 582	99 265	99 268	...
Ferro-silico-manganese	165 847	170 748	253 913	292 326	...
Ferro-molybdenum	4 957	4 409	11 966	18 031	...
Ferro-silicon	319 997	278 561	335 308	302 808	...
Ferro-titanium & ferro-silico-titanium	125	51	16	135	...
Ferro-tungsten & ferro-silico-tungsten	3 589	2 068	3 974	4 333	...
Ferro-vanadium	100	39	150	218	...
Other ferro-alloys	24 309	17 258	32 198	47 845	...
Silicon metal	...	155 735	171 210	3 261	...
Ingots, blooms, billets	851 312	594 958	136 084	698 251	...
Scrap	81 324	72 947	48 750	22 084	...
<b>Cyprus</b>					
Scrap (b)	12 988	17 038	18 980	22 165	25 902

## Exports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
Hong Kong					
Pig iron (b)	225	447	9 108	921	5 678
Ferro-manganese (b)	14 791	2 813	7 805	9 857	1 690
Ferro-silico-manganese (b)	(c) ...	23 775	28 635	17 849	6 490
Ferro-silicon (b)	64 630	26 758	29 142	21 307	23 700
Other ferro-alloys (b)	47 787	2 850	2 246	1 766	2 324
Ingots, blooms, billets	3 123	1 638	6 100	10 363	6 923
of which: Re-exports	3 103	1 638	6 100	10 363	6 923
Scrap	489 570	582 143	631 293	640 834	711 492
India (d)					
Pig iron	579	17 148	689 435	601 811	...
Ferro-chrome	107 856	133 167	128 681	149 016	...
Ferro-manganese	19 656	11 181	752	4 306	...
Ferro-silico-manganese	2 564	14 229	29 077	35 281	...
Other ferro-alloys	54 445	11 572	20 396	4 808	...
Ingots, blooms, billets	13 609	105 504	473 691	160 646	...
Scrap	62 555	35 845	25 494	757	...
Indonesia					
Sponge & powder	86 588	93 152	65 928	27 838	...
Ferro-nickel	20 846	25 689	24 311	25 219	...
Ferro-silicon	180	29	3	26	...
Ingots, blooms, billets	229 374	203 996	118 337	19 239	...
Scrap	2 166	5 064	9 323	12 609	...
Iran					
Pig iron (f)	*111 900	*20 000	...	...	...
Ingots, blooms, billets (f)	...	*101 800	*634 400	*551 300	...
Scrap (f)	...	*1 200	*97 600	*110 800	...
Israel					
Scrap (f)	*2 200	*1 300	*1 500	*3 100	...
Japan					
Pig iron	36	264 266	283 694	1 201 402	...
Sponge & powder	17 281	15 656	14 769	18 291	...
Ferro-chrome	1 928	1 367	1 227	1 168	...
Ferro-manganese	5 025	8 388	11 458	23 634	...
Ferro-silico-manganese	65	86	73	110	...
Ferro-silicon	4 676	4 662	6 140	7 754	...
Ferro-vanadium	2	8	0	14	...
Other ferro-alloys	5 292	5 368	4 373	5 800	...
Ingots, blooms, billets	64 541	325 737	367 612	1 559 436	...
Scrap	361 704	1 720 465	1 177 570	967 160	...
Kazakhstan					
Ferro-chrome & ferro-silico-chrome (f)	—	*19 600	*112 700	*81 800	...
Ferro-silicon (f)	—	*32 500	*67 900	*31 100	...
Korea, Dem. P.R. of					
Pig iron (f)	*28 100	*33 400	*22 600	*71 000	...
Ferro-alloys (f)	*8 200	*6 800	*7 400	*4 000	...
Ingots, blooms, billets (f)	*11 700	*35 600	*82 500	*31 900	...
Scrap (f)	*16 100	*36 200	*57 700	*63 800	...
Korea, Republic of					
Pig iron	6 073	118	360	157	...
Ingots, blooms, billets	435 773	469 998	278 360	185 539	...
Scrap	20 328	16 187	10 184	10 780	...
Kuwait					
Scrap	3 678	76 311	302 156	291 483	213 158
Macao					
Scrap	10 072	15 081	...	9 139	...
Malaysia					
Sponge & powder	515 961	729 000	655 860	772 229	...
Ingots, blooms, billets	19 591	251 411	260 512	48 645	...
Scrap	78 090	101 973	33 303	81 433	...
Pakistan (e)					
Pig iron	1 500	—	—	—	...
Scrap	55 471	968	505	246	...
Philippines					
Ferro-chrome	13 504	8 278	23 175	23 487	...
Ferro-silicon	4 390	260	...	2	...
Other ferro-alloys	7 354	1 278	...	—	...
Scrap	1 713	2 027	11 852	24 983	...

## Exports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Saudi Arabia					
Scrap	24 486	11 246	...	4 440	...
Singapore					
Pig iron	4 609	4 708	4 322	1 849	1 462
of which: Re-exports	4 589	4 588	4 284	1 846	1 415
Ferro-alloys	9 518	5 431	10 477	3 913	2 726
of which: Re-exports	8 485	3 721	8 538	3 729	2 666
Ingots & blooms	3 443	10 540	11 384	3 190	5 998
of which: Re-exports	821	5 878	1 588	1 189	1 710
Scrap	237 813	251 001	172 023	248 089	259 269
Sri Lanka					
Scrap	24 204	25 689	39 826	47 857	...
Taiwan					
Pig iron	290	447	6 425	6 502	3 106
Ferro-chrome	67	0	138	65	82
Ferro-silicon	1 756	1 691	2 171	2 331	1 677
Other ferro-alloys	772	1 159	1 534	1 277	1 099
Ingots, blooms, billets	46 069	31 275	3 025	10 982	9 951
Scrap	68 745	64 214	107 098	89 087	175 730
Thailand					
Scrap	10 434	14 306	33 174	45 625	...
Australia					
Ferro-manganese	20 000	46 000	59 000	(c) ...	(c) ...
Other ferro-alloys	61 000	77 000	77 000	158 000	173 000
Ingots, blooms, billets	747 000	841 000	975 000	1 413 000	...
Scrap	1 410 000	955 000	759 000	398 000	306 000
New Caledonia					
Ferro-nickel	112 700	110 600	127 200	...	...
New Zealand (e)					
Ingots, blooms, billets	16 036	350	16 703	142	...
Scrap	68 833	38 651	40 539	28 676	...

## 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) Data for the Federal Republic of Yugoslavia only
- (h) As from 1992 data is for Serbia and Montenegro only
- (i) Including ferro-silico- manganese

## Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Pig iron	110 866	149 631	131 835	230 137	220 122
Sponge & powder	16 890	16 990	16 957	19 010	20 852
Ferro-chrome & ferro-silico-chrome	76 381	78 478	93 596	129 298	...
Ferro-silico-magnesium	7 584	9 479	6 498	9 098	10 983
Ferro-manganese	31 717	35 160	93 758	119 141	138 783
Ferro-silico-manganese	31 156	32 297	35 046	32 051	41 555
Ferro-molybdenum	227	286	920	1 135	1 394
Ferro-nickel	17 710	17 611	18 018	42 620	39 128
Ferro-niobium	511	603	543	857	770
Ferro-phosphorus	3 456	3 212	3 004	2 810	3 609
Ferro-silicon	82 864	77 609	76 333	80 444	93 146
Ferro-titanium & ferro-silico-titanium	1 122	5 190	6 203	7 026	7 737
Ferro-tungsten & ferro-silico-tungsten	95	182	95	59	27
Ferro-vanadium	674	801	493	532	465
Other ferro-alloys	2 029	1 929	2 829	2 390	3 470
Silicon metal	39 258	41 887	38 693	40 693	44 168
Ingots, blooms, billets	285 842	233 601	230 260	282 167	...
Scrap	95 803	69 395	22 594	89 230	176 426
Austria					
Pig iron	34 710	25 984	26 026	24 045	...
Sponge & powder	6 380	6 606	4 759	7 421	...
Ferro-chrome	13 073	15 013	14 553	22 695	...
Ferro-silico-chrome	187	417	311	421	...
Ferro-manganese	16 651	13 917	15 567	19 260	...
Ferro-silico-manganese	11 475	10 153	12 010	13 493	...
Ferro-molybdenum	130	270	529	610	...
Ferro-nickel	7	—	89	85	...
Ferro-niobium & ferro-niobium-tantalum	120	192	151	197	...
Ferro-silicon	13 928	11 204	12 356	26 859	...
Ferro-titanium & ferro-silico-titanium	344	295	277	478	...
Ferro-tungsten & ferro-silico-tungsten	203	175	293	528	...
Ferro-vanadium	168	118	173	372	...
Other ferro-alloys	1 755	1 871	2 111	2 671	...
Silicon metal	4 585	5 871	3 890	13 271	...
Ingots & blooms	309 605	329 314	110 106	123 303	...
Scrap	49 791	165 043	417 507	408 011	...
Belgium-Luxembourg					
Pig iron	89 511	111 888	125 737	250 676	...
Sponge & powder	7 290	5 969	3 254	65 496	...
Ferro-chrome	92 456	93 212	355 814	115 712	...
Ferro-silico-chrome	4 153	2 121	2 150	1 646	...
Ferro-manganese	64 373	53 594	57 239	54 021	...
Ferro-silico-manganese	46 312	45 400	49 027	47 909	...
Ferro-molybdenum	1 408	957	1 560	1 991	...
Ferro-nickel	23 235	38 134	26 733	33 151	...
Ferro-niobium	604	564	10 437	13 978	...
Ferro-phosphorus	1 082	1 687	153	19 636	...
Ferro-silicon	36 944	38 880	40 908	36 302	...
Ferro-titanium & ferro-silico-titanium	424	347	193	606	...
Ferro-vanadium	398	248	890	738	...
Other ferro-alloys	4 799	2 301	2 374	2 304	...
Ingots, blooms, billets	1 146 454	1 019 594	822 788	1 485 125	...
Scrap	2 003 383	2 082 995	2 429 355	2 992 215	...
Denmark					
Pig iron	107 625	74 119	85 511	90 163	85 193
Sponge & powder	2 261	2 411	1 810	2 871	2 145
Ferro-chrome & ferro-silico-chrome	50	68	87	111	222
Ferro-manganese	2 474	2 453	2 362	3 766	2 028
Ferro-silico-manganese	4 601	4 706	4 534	4 781	3 910
Ferro-silicon	3 725	3 105	2 443	2 880	2 962
Other ferro-alloys	984	768	1 220	1 592	1 685
Ingots, blooms, billets	10 055	8 689	4 027	20 080	112 835
Scrap	124 708	96 494	147 270	140 683	168 942

## Imports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
<b>Finland</b>					
Pig iron	8 414	7 272	19 292	29 494	...
Sponge & powder	446	220	120	...	...
Ferro-chrome & ferro-silico-chrome	2 013	2 425	3 110	...	...
Ferro-manganese	8 827	5 399	6 722	9 920	...
Ferro-silico-manganese	15 000	22 587	23 523	...	...
Ferro-molybdenum	820	1 086	956	...	...
Ferro-nickel	29 154	56 265	60 255	64 425	63 769
Ferro-silicon	11 612	14 961	14 235	...	...
Ferro-titanium & ferro-silico-titanium	205	374	373	...	...
Ferro-vanadium	98	164	254	...	...
Other ferro-alloys	1 047	1 302	1 903	...	...
Ingots, blooms, billets	129 438	107 937	149 636	230 971	...
Scrap	45 641	53 111	139 680	338 482	...
<b>France</b>					
Pig iron	355 682	327 131	155 126	186 339	...
Sponge & powder	14 031	36 538	10 452	13 838	...
Ferro-chrome	191 798	189 945	139 303	236 227	...
Ferro-silico-chrome	196	57	202	354	...
Ferro-silico-magnesium	3 462	3 479	2 248	2 848	...
Ferro-manganese	78 707	44 033	40 192	38 803	...
Ferro-silico-manganese	60 285	48 550	31 380	33 717	...
Ferro-molybdenum	2 213	2 037	2 240	4 228	4 871
Ferro-nickel	38 403	33 728	30 105	36 972	42 696
Ferro-niobium	1 163	1 245	972	1 291	...
Ferro-phosphorus	2 861	2 586	1 876	2 321	...
Ferro-silicon	69 861	78 070	61 009	60 893	...
Ferro-titanium & ferro-silico-titanium	4 028	3 441	3 568	4 810	...
Ferro-tungsten & ferro-silico-tungsten	332	305	227	217	...
Ferro-vanadium	672	745	746	1 134	...
Other ferro-alloys	5 360	9 207	17 580	7 389	...
Silicon metal	13 825	14 386	10 903	14 778	...
Ingots, blooms, billets	521 444	357 345	534 352	929 868	...
Scrap	1 115 033	1 217 225	1 110 854	1 395 930	...
<b>Germany, Federal Republic of</b>					
Pig iron	329 215	285 769	233 589	387 261	414 899
Sponge & powder	32 985	41 603	24 145	36 089	49 610
Ferro-chrome	328 189	328 645	278 633	354 662	423 769
Ferro-silico-chrome	16 716	14 985	9 591	19 245	28 616
Ferro-silico-magnesium	2 885	2 157	2 415	3 574	4 687
Ferro-manganese	130 868	130 186	112 232	163 597	198 260
Ferro-silico-manganese	129 579	140 259	112 302	133 487	134 868
Ferro-molybdenum	8 205	8 255	5 728	7 493	7 726
Ferro-nickel	78 848	65 132	51 792	118 902	111 953
Ferro-niobium	2 628	2 412	2 271	2 478	2 220
Ferro-phosphorus	15 722	8 544	10 542	24 306	28 550
Ferro-silicon	192 881	189 382	176 965	160 868	183 906
Ferro-titanium & ferro-silico-titanium	5 459	6 181	4 783	10 138	8 357
Ferro-tungsten & ferro-silico-tungsten	657	617	445	517	895
Ferro-vanadium	2 385	2 527	1 994	5 915	3 887
Other ferro-alloys	6 295	9 893	11 717	12 723	18 202
Silicon metal	82 842	73 447	71 922	94 388	100 589
Ingots, blooms, billets	1 355 829	1 204 752	805 198	1 377 426	1 825 441
Scrap	835 073	811 502	910 196	1 017 302	1 197 394
<b>Greece</b>					
Pig iron	65 636	42 378	27 180	39 172	...
Ferro-manganese	4 298	2 931	5 354	3 478	...
Ferro-silico-manganese	6 509	2 896	2 083	(d) ...	...
Ferro-silicon	3 662	1 675	2 292	(d) ...	...
Other ferro-alloys	2 140	529	434	7 432	...
Ingots, blooms, billets	989 162	837 281	415 841	549 865	...
Scrap	928 733	373 446	366 337	346 957	...
<b>Irish Republic</b>					
Pig iron	189	1 519	376	629	10 257
Ferro-alloys	4 051	9 335	3 790	2 598	1 654
Ingots, blooms, billets	4 372	5 226	3 110	8 025	6 755
Scrap	199 033	158 181	347 429	166 585	153 246

## Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Italy					
Pig iron	831 180	941 098	812 996	1 202 114	...
Spiegeleisen	547	200	340	98	...
Sponge & powder	224 995	116 298	113 243	186 373	...
Ferro-chrome	90 005	108 716	112 558	185 648	...
Ferro-silico-chrome	61	39	151	214	...
Ferro-silico-magnesium	5 851	5 558	4 726	—	...
Ferro-manganese	77 901	91 461	66 293	68 252	...
Ferro-silico-manganese	73 414	85 781	76 591	89 874	...
Ferro-molybdenum	2 901	3 113	3 626	4 505	...
Ferro-nickel	18 109	24 945	25 138	25 824	20 851
Ferro-niobium	1 069	984	948	1 135	...
Ferro-silicon	70 089	96 154	104 394	93 639	...
Ferro-titanium & ferro-silico-titanium	1 940	2 166	2 908	3 418	...
Ferro-tungsten & ferro-silico-tungsten	299	108	154	202	...
Ferro-vanadium	865	1 259	1 335	1 721	...
Other ferro-alloys	4 354	4 649	6 081	10 308	...
Silicon metal	16 781	15 499	17 691	48 902	...
Ingots, blooms, billets	1 513 236	1 297 968	705 471	1 338 121	...
Scrap	6 037 965	6 259 036	5 931 527	6 389 402	...
Netherlands					
Pig iron	58 484	55 959	122 577	198 425	...
Sponge & powder	2 586	1 606	6 011	7 790	...
Ferro-chrome	2 015	4 777	72 792	64 126	...
Ferro-manganese	17 100	18 394	24 596	16 691	...
Ferro-silico-manganese	2 794	2 478	25 392	61 566	...
Ferro-molybdenum	483	274	2 074	2 795	...
Ferro-nickel	19	527	2 366	15 456	...
Ferro-niobium	48	65	1 124	176	...
Ferro-phosphorus	896	467	1 940	6 580	...
Ferro-silicon	7 642	5 761	92 707	10 581	...
Ferro-titanium & ferro-silico-titanium	543	496	184	551	...
Ferro-vanadium	56	48	360	202	...
Other ferro-alloys	2 380	2 138	3 582	6 657	...
Silicon metal	8 880	8 674	15 618	12 687	...
Ingots, blooms, billets	72 363	41 233	97 675	65 280	...
Scrap	2 023 223	2 038 355	3 744 856	2 938 297	...
Portugal					
Pig iron	14 811	25 395	4 753	14 442	...
Ferro-manganese	5 300	2 002	1 965	1 724	...
Ferro-silico-manganese	56	3 560	5 496	(d) ...	...
Ferro-silicon	6 637	4 793	3 192	(d) ...	...
Other ferro-alloys	1 376	1 422	942	11 502	...
Ingots, blooms, billets	6 398	10 939	2 496	27 077	...
Scrap	63 764	23 061	22 645	35 490	...
Spain					
Pig iron	200 898	140 126	145 605	232 426	...
Sponge & powder	109 465	126 812	145 862	221 970	...
Ferro-chrome	93 510	85 031	101 559	151 321	...
Ferro-silico-chrome	1 612	2 529	3 841	5 543	...
Ferro-manganese	19 462	24 840	23 277	29 244	...
Ferro-silico-manganese	31 231	33 601	35 353	36 414	...
Ferro-molybdenum	1 371	1 019	1 431	2 175	...
Ferro-nickel	29 916	21 910	21 920	29 345	...
Ferro-niobium	141	115	257	302	...
Ferro-phosphorus	1 486	1 440	1 027	1 741	...
Ferro-silicon	25 727	33 169	23 314	33 593	...
Ferro-titanium & ferro-silico-titanium	477	286	178	304	...
Ferro-tungsten & ferro-silico-tungsten	66	28	37	17	...
Ferro-vanadium	307	305	364	634	...
Other ferro-alloys	5 077	4 605	3 176	5 790	...
Silicon metal	3 813	1 870	4 478	3 766	...
Ingots, blooms, billets	130 305	106 545	51 366	65 078	...
Scrap	4 315 796	4 259 542	4 064 935	4 534 213	...



## Imports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
Sweden					
Pig iron	28 544	16 171	24 953	47 068	...
Sponge & powder	2 486	3 231	2 253	4 847	...
Ferro-chrome	38 772	46 342	49 356	66 757	...
Ferro-silico-chrome	1 369	2 392	1 845	2 152	...
Ferro-manganese	19 907	20 403	22 852	24 235	...
Ferro-silico-manganese	12 298	14 748	13 120	17 313	...
Ferro-molybdenum	2 513	2 412	2 824	3 803	...
Ferro-nickel	10 927	13 330	15 581	21 398	...
Ferro-niobium	342	514	431	454	...
Ferro-silicon	19 521	18 391	20 702	33 460	...
Ferro-titanium & ferro-silico-titanium	1 140	1 549	1 713	2 119	...
Ferro-tungsten & ferro-silico-tungsten	241	177	242	1 684	...
Ferro-vanadium	892	1 131	1 266	1 909	...
Other ferro-alloys	2 331	2 333	5 084	3 362	...
Silicon metal	1 420	1 805	1 948	2 641	...
Ingots, blooms, billets	53 551	50 190	96 623	340 318	...
Scrap	165 652	281 514	467 967	663 765	...
Belarus					
Scrap	—	46 000	32 000	11 000	...
Bulgaria					
Pig iron	35 300	20 500	11 900	9 700	...
Ferro-manganese	4 600	3 400	3 700	1 100	...
Other ferro-alloys	3 400	1 500	6 900	13 600	...
Ingots, blooms, billets	20 000	49 400	107 200	88 700	...
Croatia					
Pig iron	—	14 278	8 346	125 000	...
Ferro-alloys	—	1 332	1 470	...	...
Ingots, blooms, billets	—	91 773	95 319	65 800	...
Scrap	—	12 979	5 589	...	...
Czechoslovakia					
Pig iron	101 000	95 000	—	—	—
Ferro-chrome & ferro-silico-chrome (g)	*3 200	*2 100	—	—	—
Ferro-titanium & ferro-silico-titanium (g)	*50	*200	—	—	—
Other ferro-alloys (g)	*101 300	*52 300	—	—	—
Ingots, blooms, billets	1 000	127 600	—	—	—
Scrap (g)	*152 400	*401 400	—	—	—
Czech Republic					
Pig iron	—	—	187 000	162 000	...
Ferro-chrome & ferro-silico-chrome	—	—	(g) *9 100	(d) ...	...
Other ferro-alloys	—	—	(g) *7 700	98 404	...
Scrap	—	—	(g) *307 500	158 019	...
Hungary					
Pig iron	79 800	35 497	22 406	21 481	...
Ferro-chrome	(d) ...	534	918	2 279	...
Ferro-manganese	(d) ...	5 843	2 394	8 058	...
Ferro-molybdenum	(d) ...	62	61	(d) ...	...
Ferro-silicon	(d) ...	6 284	6 090	6 516	...
Other ferro-alloys	20 300	2 212	2 257	4 051	...
Ingots, blooms, billets	205 200	130 361	133 266	147 869	...
Scrap	121 000	3 628	3 731	5 739	...
Latvia					
Pig iron	—	30 000	14 000	29 848	...
Scrap	—	17 000	29 600	6 532	...
Lithuania					
Pig iron	—	11 957	...	2 140	1 827
Norway					
Pig iron	5 363	3 637	6 275	8 323	10 405
Sponge & powder	19 292	25 695	30 818	9 161	4 049
Ferro-chrome	639	485	518	655	864
Ferro-manganese	9 463	6 196	1 490	7 323	15 449
Ferro-silico-manganese	2 643	4 908	1 166	562	5 645
Ferro-silicon	5 357	1 954	3 833	7 512	6 152
Other ferro-alloys	976	397	592	509	4 613
Silicon metal	576	1 720	3 732	8 962	8 704
Ingots, blooms, billets	135 533	149 969	131 923	166 937	196 095
Scrap	95 326	133 373	222 712	200 118	230 461

## Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Poland					
Pig iron & ferro-alloys	129 891	107 876	142 214	100 877	...
Ingots, blooms, billets	1 482	3 232	84 267	150 008	...
Scrap	775	...	81 300	...	...
Romania					
Pig iron	4 870	2 987	18 892	3 441	5 977
Ferro-alloys	15 396	33 095	37 880	54 728	61 378
Ingots, blooms, billets	79 332	540	19 125	18 991	84 518
Slovakia					
Pig iron	—	—	12 303	22 000	...
Sponge & powder (g)	—	—	*200	*8 400	...
Scrap (g)	—	—	*67 300	*89 200	...
Slovenia					
Pig iron	—	13 152	11 169	9 243	...
Ferro-alloys	—	14 603	10 660	11 186	...
Ingots, blooms, billets	—	42 364	20 448	9 848	...
Scrap	—	285 605	196 268	278 290	...
Switzerland					
Pig iron	34 712	35 709	25 830	25 825	44 518
Sponge & powder	4 884	4 645	4 099	4 964	5 549
Ferro-aluminium	682	662	670	999	1 055
Ferro-chrome	1 040	1 035	1 280	692	805
Ferro-manganese	3 820	3 800	3 044	1 989	2 757
Ferro-silico-manganese	8 828	9 112	9 047	8 204	4 396
Ferro-silicon	5 329	6 231	5 412	5 090	5 171
Other ferro-alloys	1 077	1 029	928	772	748
Silicon metal	4 301	1 608	760	1 505	1 589
Ingots, blooms, billets	88 912	90 098	93 408	172 287	132 120
Scrap	227 043	348 521	434 960	110 249	90 186
Turkey					
Pig iron	240 761	449 490	697 594	563 512	580 624
Sponge & powder	39 462	42 800	4 952	1 106	1 962
Ferro-manganese	30 099	40 187	24 988	37 455	...
Ferro-silico-manganese	49 750	61 041	72 943	89 472	103 832
Ferro-silicon	26 950	20 566	37 387	33 107	...
Other ferro-alloys	3 159	4 154	6 037	3 509	3 594
Ingots, blooms, billets	791 694	987 784	2 518 255	1 620 437	1 009 767
Scrap	4 442 548	4 989 316	6 372 843	5 917 326	6 613 223
Ukraine					
Scrap	—	249 200	158 600	113 400	...
Yugoslavia (c)					
Pig iron	(b) 13 516	2 417	...	...	...
Sponge & powder	(b) 382	148	...	...	...
Ferro-chrome	(b) 987	717	...	...	...
Ferro-manganese	(b) 1 078	3 931	...	...	...
Ferro-silicon	(b) 1 662	1 412	...	...	...
Other ferro-alloys	(b) 175	344	...	...	...
Ingots, blooms, billets	(b) 137 112	157 687	...	...	...
Scrap	(b) 53 055	112 106	...	...	...
Algeria					
Pig iron	7 454	2 801	...	1 954	...
Ferro-manganese	(d) ...	1 598	1 500	1 992	...
Ferro-silicon	4 323	(d) ...	...	...	...
Other ferro-alloys	1 853	2 428	...	2 089	...
Ingots, blooms, billets	23 379	18 633	28 000	...	...
Egypt					
Ferro-alloys	15 000	17 293	24 152	18 635	...
Ingots & billets	223 336	236 686	...	410 232	...
Scrap	115 507	109 818	...	105 666	...
Kenya					
Ingots & blooms	...	57 406	...	...	...
Mauritius					
Pig iron & ingots	23 614	24 556	...	...	...

## Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Morocco					
Pig iron	5 200	15 958	3 507	3 564	...
Ferro-alloys	427	347	272	386	...
Ingots, blooms, billets	418 095	341 550	315 451	411 442	...
Scrap	1 856	3 169	5 835	...	...
Nigeria					
Ferro-manganese	2 000	1 000	1 000	...	...
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	1 176	1 177	1 319	747	422
Scrap	...	11 542	30 884	80 423	155 300
Tunisia					
Pig iron	2 567	1 565	2 634	1 422	...
Ferro-alloys	1 617	1 925	1 864	2 305	...
Ingots, blooms, billets	54 435	57 949	62 894	80 281	...
Scrap	1 880	3 526	...	379	...
Canada					
Pig iron	23 199	26 565	30 328	59 368	18 533
Sponge & powder	6 225	13 752	26 403	10 443	76 822
Ferro-calcium-silicon	1 896	1 714	2 039	1 900	2 111
Ferro-chrome	46 255	34 855	45 268	55 144	62 706
Ferro-silico-chrome	895	546	1 020	1 473	885
Ferro-manganese	46 087	49 920	61 322	67 500	52 877
Ferro-silico-manganese	15 525	24 137	38 905	34 005	41 494
Ferro-molybdenum	544	493	699	886	1 414
Ferro-nickel	1 521	1 437	606	9	631
Ferro-niobium	1 466	1 120	1 570	1 594	1 646
Ferro-phosphorus	1 208	672	980	1 151	1 394
Ferro-silicon	21 944	30 169	24 848	25 264	26 699
Ferro-titanium & ferro-silico-titanium	302	328	361	855	759
Ferro-vanadium	187	362	336	631	598
Other ferro-alloys	1 705	1 578	1 744	1 963	1 776
Ingots, blooms, billets	147 468	270 890	1 271 687	1 064 085	1 481 839
Scrap	809 349	1 231 467	1 456 809	1 725 588	1 632 583
Costa Rica					
Ingots, blooms, billets	45 824	74 275	58 257	...	...
El Salvador					
Ingots, blooms, billets	17 632	22 226	15 905	...	...
Scrap	11 017	21 423	...	42 152	...
Guatemala					
Ingots, blooms, billets	37 260	92 821	105 539	71 238	...
Jamaica					
Ingots, blooms, billets	31 997	17 926	...	...	...
Mexico					
Pig iron	23 544	15 230	18 459	49 767	...
Sponge & powder	223 656	3 773	759 637	1 055 256	...
Ferro-chrome	6 025	6 073	4 501	4 344	...
Ferro-silicon	16 584	14 337	16 430	22 920	...
Other ferro-alloys	3 116	12 804	19 507	33 929	...
Ingots, blooms, billets	192 987	154 753	187 357	241 881	...
Scrap	561 675	514 369	852 185	832 667	...
Panama					
Ingots, blooms, billets	25 313	35 620	35 356	36 713	...

## Imports of Iron, Steel and Ferro-alloys

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Country	1991	1992	1993	1994	1995
<b>USA</b>					
Pig iron	434 453	496 761	828 405	2 441 617	2 364 420
Sponge & powder	476 386	572 398	1 033 367	1 000 118	1 295 870
Ferro-chrome	402 767	408 733	385 739	320 566	497 101
Ferro-silico-chrome	5 301	9 379	8 648	15 068	49 667
Ferro-manganese	314 764	306 163	345 366	335 801	314 553
Ferro-silico-manganese	260 317	257 577	316 091	279 661	302 486
Ferro-molybdenum	1 454	1 722	3 480	4 591	6 550
Ferro-nickel	39 857	35 122	37 281	42 350	45 890
Ferro-niobium	3 282	3 767	3 367	3 980	4 600
Ferro-silicon	177 617	246 828	200 174	203 818	220 599
Ferro-titanium & ferro-silico-titanium	1 186	1 356	4 843	6 340	(d) ...
Ferro-tungsten & ferro-silico-tungsten	690	575	860	669	870
Ferro-vanadium	524	767	2 773	3 190	2 000
Ferro-zirconium	288	1	247	60	(d) ...
Other ferro-alloys	23 162	24 208	26 498	39 500	47 000
Silicon metal	43 206	32 801	72 517	103 266	97 516
Ingots, blooms, billets	1 872 859	2 126 841	4 536 324	7 212 388	4 704 671
Scrap	1 072 164	1 302 702	1 545 617	1 823 407	2 057 929
<b>Argentina</b>					
Pig iron	20 031	8 678	11 970	9 036	...
Ferro-chrome	(d) ...	2 746	2 702	2 872	...
Ferro-manganese	985	1 881	2 230	3 344	...
Ferro-silicon	64	417	237	1 977	...
Other ferro-alloys	3 287	1 360	1 116	985	...
Blooms & billets	45 860	170 382	181 100	499 392	...
Scrap	25 126	23 525	7 524	4 590	...
<b>Brazil</b>					
Sponge & powder	1 694	3 191	3 556	3 928	...
Ferro-chrome	10 170	9 131	11 336	23 014	6 095
Other ferro-alloys	14 841	7 599	2 573	6 449	18 754
Scrap	88 553	211 000	114 259	148 666	...
<b>Colombia</b>					
Ferro-chrome	655	1 531	809	758	...
Ferro-manganese	3 726	3 866	5 130	5 699	...
Ferro-silico-manganese	1 444	2 947	2 528	2 530	...
Ferro-silicon	2 324	2 452	2 251	3 130	...
Other ferro-alloys	989	1 047	701	943	...
Ingots, blooms, billets	9 858	65 025	120 518	213 737	...
Scrap	104 474	187 579	205 091	197 076	...
<b>Ecuador</b>					
Ingots, blooms, billets	142 925	...	98 115	...	...
<b>Peru</b>					
Ferro-chrome	360	...	286	478	...
Ferro-manganese	493	500	2 845	3 004	...
Ferro-silico-manganese	347	...	...	3 991	...
Ferro-silicon	717	...	1 250	1 583	...
Scrap	...	...	49 926	40 718	...
<b>Suriname</b>					
Ferro-alloys	*7 000	...	...	...	...
Ingots, blooms, billets	6 518	...	...	...	...
Scrap	*3 000	...	...	...	...
<b>Uruguay</b>					
Ferro-alloys	512	765	624	850	...
Ingots, blooms, billets	2 599	6 566	5 925	3 021	...
<b>Venezuela</b>					
Sponge & powder	69 983	24 377	3 223	...	...
Ferro-chrome	530	349	745	(d) ...	...
Ferro-manganese	16 028	11 135	18 538	19 200	...
Ferro-vanadium	239	11	1	(d) ...	...
Other ferro-alloys	2 311	5 623	2 557	735	...
Silicon metal	1 164	856	1 222	...	...
Ingots, blooms, billets	109 978	4 480	891	2 327	...
Scrap	...	65 482	73 072	140 705	...
<b>Abu Dhabi</b>					
Scrap	2 021	5 673	10 861	...	...

## Imports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
Bahrain					
Blooms & billets	52 490	...	74 586	...	...
Bangladesh (a)					
Pig iron	25 565	13 687	24 022	...	...
Ferro-alloys	12 403	1 190	902	...	...
Scrap	...	12 808	9 483	...	...
China					
Pig iron	363 037	153 501	810 367	311 938	...
Sponge & powder	501	39 908	152 703	32 564	...
Ferro-alloys	6 890	8 710	36 077	31 339	...
Ingots, blooms, billets	324 768	1 808 986	6 379 277	2 633 002	...
Scrap	238 924	1 243 143	2 980 288	2 121 759	...
Cyprus					
Pig iron	137	1 243	1 091	—	—
Hong Kong					
Pig iron	6 723	15 247	6 728	9 142	2 938
Ferro-manganese	14 089	5 711	13 318	9 935	2 737
Ferro-silico-manganese	...	24 645	32 992	15 587	3 821
Ferro-silicon	60 641	21 172	25 253	18 112	22 208
Other ferro-alloys	49 435	3 716	2 686	1 484	3 586
Silicon metal	...	17 228	16 924	10 848	8 856
Ingots, blooms, billets	143 112	60 153	192 185	245 467	273 909
Scrap	140 641	208 026	366 032	202 770	257 917
India (e)					
Pig iron	205 126	102 451	3 681	48 571	...
Sponge & powder	3 053	1 068	1 551	1 696	...
Ferro-chrome & ferro-silico-chrome	194	689	1 375	5 835	...
Ferro-manganese & ferro-silico-manganese	88	59	31	755	...
Ferro-molybdenum	667	1 260	815	336	...
Ferro-nickel	14 928	12 517	13 482	16 661	...
Ferro-silicon	954	433	1 550	9 828	...
Other ferro-alloys	1 043	368	520	1 264	...
Silicon metal	2 018	4 360	7 069	11 347	...
Ingots, blooms, billets	18 400	20 860	134 613	237 189	...
Scrap	1 515 437	3 039 920	1 178 643	2 212 536	...
Indonesia					
Pig iron	106 456	255 178	233 678	339 928	...
Sponge & powder	184 477	184 873	22 630	214 019	...
Ferro-manganese	27 531	15 590	8 951	5 311	...
Ferro-silico-manganese	21 403	26 561	33 547	24 625	...
Ferro-silicon	8 991	6 959	8 126	8 315	...
Other ferro-alloys	1 290	1 245	1 417	1 724	...
Ingots, blooms, billets	517 136	338 191	790 960	925 233	...
Scrap	1 187 093	1 244 041	1 886 823	1 024 178	...
Iran					
Ingots, blooms, billets (f)	736 714	286 655	160 506	...	...
Israel					
Ingots, blooms, billets	253 000	...	110 000	17 000	...
Scrap (g)	*5 600	*700	*300	*400	...
Japan					
Pig iron	3 226 332	1 296 109	1 385 930	1 600 992	...
Sponge & powder	141 856	171 358	227 704	197 327	...
Ferro-chrome	578 073	459 608	548 581	610 163	...
Ferro-silico-chrome	10 622	8 863	5 652	11 165	...
Ferro-manganese	32 563	25 525	55 377	85 703	...
Ferro-silico-manganese	241 271	193 746	210 900	204 342	...
Ferro-molybdenum	1 975	1 854	1 818	2 298	...
Ferro-nickel	45 925	32 626	44 342	48 394	66 772
Ferro-niobium	4 526	4 187	4 361	3 642	...
Ferro-phosphorus	9 262	7 962	5 863	6 709	...
Ferro-silicon	484 772	437 554	542 110	484 591	...
Ferro-titanium & ferro-silico-titanium	2 498	2 703	4 527	5 487	...
Ferro-tungsten & ferro-silico-tungsten	416	509	565	750	...
Ferro-vanadium	807	1 014	1 132	1 021	...
Other ferro-alloys	14 031	11 269	12 420	10 121	...
Silicon metal	138 206	146 962	151 970	151 956	...
Ingots, blooms, billets	1 307 894	615 128	322 477	310 368	...
Scrap	820 643	328 113	912 703	1 067 871	...

## Imports of Iron, Steel and Ferro-alloys

tonnes

Country	1991	1992	1993	1994	1995
Jordan					
Ingots, blooms, billets	189 525	257 046	164 178	168 864	...
Scrap	4 948	5 034	8 803	2 922	...
Korea, Dem. P.R. of					
Ferro-manganese (g)	*10 400	*11 700	*14 600	*4 900	...
Other ferro-alloys (g)	*15 600	*6 200	*15 200	*4 600	...
Korea, Republic of					
Pig iron	773 336	1 068 769	1 482 457	1 764 211	...
Sponge & powder	247 328	283 370	449 892	562 002	...
Ferro-chrome	90 148	110 026	167 396	175 056	...
Ferro-silico-chrome	6 060	8 300	5 400	10 305	...
Ferro-manganese	9 046	26 630	32 595	23 747	...
Ferro-silico-manganese	9 424	16 657	39 099	60 511	...
Ferro-molybdenum	879	530	893	1 328	...
Ferro-nickel	23 617	31 500	38 848	41 701	41 681
Ferro-phosphorus	2 064	2 889	3 190	3 791	...
Ferro-silicon	82 533	86 481	102 763	105 908	...
Ferro-vanadium	444	516	539	905	...
Other ferro-alloys	2 735	3 273	3 139	3 877	...
Silicon metal	7 320	7 916	11 511	15 365	...
Ingots & blooms	2 162 806	2 011 357	2 347 533	3 032 724	...
Scrap	3 261 377	3 136 886	4 916 003	4 970 144	...
Malaysia					
Pig iron	100 109	162 967	108 537	146 569	...
Spiegeleisen	3 346	2 154	8 029	...	...
Ferro-manganese	9 007	14 269	12 645	20 061	...
Ferro-silico-manganese	5 277	10 098	12 113	(d) ...	...
Ferro-silicon	5 553	7 832	11 692	(d) ...	...
Other ferro-alloys	3 392	3 219	3 418	23 457	...
Ingots, blooms, billets	345 665	420 707	688 500	717 087	...
Scrap	1 010 549	704 920	1 417 533	869 897	...
Pakistan (a)					
Pig iron	1 152	984	4 417	2 312	...
Ferro-manganese	16 921	8 387	12 805	9 590	...
Ferro-silicon	8 075	11 776	5 752	...	...
Other ferro-alloys	7 759	1 760	1 605	...	...
Ingots, blooms, billets	58 836	28 622	29 954	...	...
Scrap	482 991	763 805	433 034	251 386	...
Philippines					
Pig iron	47 876	13 700	91 340	91 124	...
Ferro-manganese	2 072	2 780	4 531	2 697	...
Ferro-silico-manganese	796	104	674	1 281	...
Ferro-silicon	316	2 390	4 468	3 864	...
Other ferro-alloys	389	495	459	370	...
Ingots, blooms, billets	549 314	1 045 641	1 229 865	1 618 352	...
Scrap	127 771	52 270	53 470	27 923	...
Qatar					
Scrap	5 453	979	12 995	...	...
Saudi Arabia					
Pig iron	19 730	28 739	43 770	39 290	...
Ingots, blooms, billets	18 748	51 423	851 527	178 860	...
Scrap	488 290	3 857	54 670	37 055	...
Singapore					
Pig iron	131 320	94 524	133 443	87 009	78 599
Sponge & powder	7 292	149	63	260	21
Ferro-manganese	3 135	3 220	1 878	513	763
Ferro-silicon	11 181	9 693	15 225	5 353	7 788
Other ferro-alloys	458	437	1 073	496	629
Ingots & blooms	244 252	133 522	380 207	333 535	226 880
Scrap	148 592	147 334	147 894	123 609	158 143
Sri Lanka					
Ingots, blooms, billets	45 490	48 880	294 118	87 370	...
Syria					
Ingots, blooms, billets	...	20 612	11 000	...	...
Scrap	...	79 433	...	...	...

## Imports of Iron, Steel and Ferro-alloys

Country	1991	1992	1993	1994	1995
Taiwan					
Pig iron	853 410	817 656	958 372	1 197 794	1 090 114
Sponge & powder	47 225	72 570	19 871	38 979	55 824
Ferro-chrome	57 246	48 045	58 947	93 548	192 574
Ferro-manganese	19 348	29 411	47 169	37 306	39 274
Ferro-silico-manganese	31 272	42 222	42 802	43 564	64 962
Ferro-molybdenum	433	291	679	750	1 096
Ferro-niobium	324	205	149	187	203
Ferro-silicon	41 412	41 504	52 096	46 028	62 098
Ferro-vanadium	396	378	383	523	16 610
Other ferro-alloys	2 162	1 689	1 776	5 116	19 470
Silicon metal	18 017	12 566	19 356	17 809	21 673
Ingots, blooms, billets	3 837 135	5 443 382	7 508 179	7 680 156	7 426 257
Scrap	2 262 211	1 845 489	1 736 356	1 069 912	673 190
Thailand					
Pig iron	78 381	149 113	113 322	182 447	...
Sponge & powder	522	5 524	9 330	10 300	...
Ferro-chrome	472	363	661	1 286	...
Ferro-manganese	5 484	9 376	9 944	14 079	...
Ferro-silico-manganese	1 411	2 426	3 308	5 506	...
Ferro-silicon	7 634	10 306	16 532	27 741	...
Other ferro-alloys	305	1 396	909	5 875	...
Ingots, blooms, billets	891 557	1 223 831	1 167 081	3 209 335	...
Scrap	501 015	865 435	1 457 660	1 158 764	...
Australia					
Pig iron	...	(a) 4 576	(a) 3 213	13 000	...
Sponge & powder (a)	3 352	3 631	3 682	...	...
Ferro-chrome (a)	5 446	6 692	7 280	(d) ...	(d) ...
Ferro-manganese (a)	4 611	7 054	12 268	(d) ...	(d) ...
Ferro-silico-manganese (a)	232	914	931	(d) ...	(d) ...
Ferro-molybdenum (a)	228	318	157	(d) ...	(d) ...
Ferro-silicon (a)	19 331	13 232	24 737	(d) ...	(d) ...
Other ferro-alloys (a)	1 457	1 371	5 057	57 000	63 000
Ingots & billets	241 000	16 000	6 000	97 000	...
Scrap (a)	2 208	1 382	1 781	*49 000	...
Fiji					
Ingots, blooms, billets	3 128	...	...	...	...
New Zealand (a)					
Ferro-manganese	1 934	2 121	2 279	2 330	...
Ferro-silicon	3 003	3 161	2 828	2 295	...
Other ferro-alloys	1 555	1 451	2 355	2 989	...
Ingots, blooms, billets	2 309	3 955	43	39	...

## 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) Data for the Federal Republic of Yugoslavia only
- (c) As from 1992 data is for Serbia and Montenegro only
- (d) Included with 'other ferro-alloys'
- (e) Years ended 31 March following that stated
- (f) Years ended 20 March following that stated
- (g) BGS estimates, based on known exports from certain countries

## Production of Kaolin

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom (a)	2 911 484	(l) 2 502 224	(l) 2 460 632	(l) 2 530 277	(l) 2 585 881
Austria	72 361	64 733	64 381	65 000	87 000
Belgium	*260 000	*325 000	*300 000	*300 000	...
Denmark	17 057	3 503	*3 500	*3 500	...
Finland	6 879	6 700	8 156	...	...
France	343 800	334 000	295 000	330 000	345 000
Germany, Federal Republic of (g)	598 000	578 000	544 000	600 000	600 000
Greece	189 235	201 705	89 473	117 254	...
Italy	57 871	33 017	...	...	...
Portugal	149 788	194 090	178 285	200 000	*150 000
Spain (c)	*413 000	*305 000	148 000	290 000	300 000
Albania	2 000	*500	...	...	...
Bosnia & Herzegovina	—	*3 000	*3 000	*3 000	...
Bulgaria	106 000	104 000	110 000	110 000	110 000
Czechoslovakia (h)	526 000	598 000	—	—	—
Czech Republic (h)	—	—	*578 000	651 790	757 949
Hungary (c)	19 000	7 000	15 000	12 000	12 000
Poland	44 100	42 400	47 900	52 600	52 000
Romania	*250 000	*150 000	*200 000	*200 000	*200 000
Slovenia	—	*15 000	*10 000	*10 000	...
Soviet Union	*1 600 000	—	—	—	—
Turkey	219 211	185 675	138 989	179 775	413 122
Ukraine	—	1 000 000	1 000 000	*1 015 000	950 000
Yugoslavia (m)	(k) *190 000	111 782	37 627	*50 000	...
Algeria	21 460	20 844	21 500	*21 500	24 068
Burundi	6 567	9 668	5 318	*5 000	...
Egypt (d)	151 548	95 693	78 107	54 175	...
Madagascar	496	756	*700	*700	...
South Africa	134 485	131 765	147 349	131 863	146 587
Tanzania	1 738	1 360	477	541	...
Mexico	167 238	144 121	215 510	193 034	188 640
USA (e)	9 574 900	8 735 204	8 830 000	8 770 000	*9 490 000
Argentina	47 115	43 722	42 052	50 471	40 010
Brazil (b)	*850 000	*900 000	*1 000 000	*1 000 000	*1 100 000
Chile	63 083	59 083	66 939	73 081	10 845
Colombia (j)	*900 000	*900 000	*900 000	...	...
Ecuador	12 015	18 395	...	6 883	*8 000
Paraguay	*74 000	*74 000	*74 000	*74 000	...
Peru	7 100	5 500	5 100	5 800	...
Venezuela	35 000	40 811	32 000	16 000	...
Bangladesh (d)	7 338	2 317	1 637	2 753	...
China	*700 000	*700 000	800 000	850 000	900 000
India (i)	113 000	110 000	129 000	150 000	150 000
Indonesia	139 915	230 550	42 365	45 000	45 000
Iran	150 473	264 083	254 413	227 650	...
Israel	53 000	*53 000	*53 000	*53 000	...
Japan	129 942	122 948	110 000	114 000	120 000
Jordan	46 200	34 446	47 174	...	65 998
Korea, Republic of	1 755 225	1 856 157	2 328 921	2 600 000	2 800 000
Malaysia	186 699	244 573	249 852	252 628	211 182
Pakistan	44 738	42 180	37 179	*38 000	...
Sri Lanka	7 622	14 000	16 000	16 000	...
Taiwan	92 970	103 071	126 752	102 822	20 406
Thailand (h)	256 276	304 480	404 029	425 567	425 000



**Production of Kaolin**

Country	1991	1992	1993	1994	1995
Australia (c) (d) (f)	376 000	*250 000	241 000	*250 000	*250 000
New Zealand	21 338	27 520	26 543	28 000	28 000
World total	24 100 000	22 300 000	22 600 000	23 300 000	24 500 000

## 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) Excluding data from August to December for the Republic of Croatia
- (l) Dry weight
- (m) As from 1992 data is for Serbia and Montenegro only

## Exports of Kaolin

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	2 518 303	(d) 2 168 572	(d) 2 125 129	(d) 2 173 888	(d) 2 222 316
Austria	34 931	28 270	15 716	9 353	...
Belgium-Luxembourg	123 909	139 226	165 759	100 191	...
Denmark	504	491	337	421	598
France	247 032	256 761	244 852	273 975	...
Germany, Federal Republic of	262 325	279 886	267 435	496 760	354 103
Greece	34 620	24 179	9 402	...	...
Italy	35 324	31 178	61 064	37 567	...
Netherlands	166 336	170 451	158 258	227 888	...
Spain	144 875	147 504	94 163	117 571	...
Sweden	974	1 412	904	4 088	...
Bulgaria (a)	*20 400	*19 000	*29 500	...	...
Czechoslovakia	366 000	*440 000	—	—	—
Czech Republic	—	—	426 488	345 423	383 498
Hungary	...	2 572	4 398	4 059	...
Russia (a)	—	*5 700	*3 700	...	...
Slovenia (a)	—	*6 700	*4 100	...	...
Soviet Union (a)	*1 200	—	—	—	—
Switzerland	245	257	10 895	7 089	143
Turkey	50 761	63 994	84 666	189 425	256 907
Ukraine (a)	—	—	*9 100	*11 800	...
USA	2 887 608	3 003 994	2 984 593	3 182 326	3 243 568
Brazil	343 006	335 476	599 523	524 877	566 322
China	(a) *683 400	376 978	419 552	485 721	...
Hong Kong	323 580	400 154	533 300	479 702	457 193
of which: Re-exports	323 580	400 154	533 278	479 651	457 092
India (b)	25 727	18 175	9 142	8 658	...
Indonesia	125 125	137 851	126 146	157 866	...
Israel	10 818	14 572	5 307	(a) *5 200	...
Japan	11 353	11 245	10 252	12 769	...
Korea, Republic of	37 660	34 419	65 476	123 510	...
Malaysia	131 305	111 952	161 296	113 975	...
Taiwan	8 779	6 706	7 263	6 997	7 486
Thailand	13 117	16 952	38 098	26 793	...
Australia (c)	149 647	132 262	154 487	...	...
New Zealand (c)	24 107	18 692	18 206	19 306	...

(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

## Imports of Kaolin

Country	1991	1992	1993	1994	1995
United Kingdom	27 463	24 520	23 273	22 320	18 189
Austria	183 517	214 418	202 896	222 474	...
Belgium-Luxembourg	405 980	438 736	499 788	714 738	...
Denmark	22 703	15 910	9 776	9 987	14 587
Finland	937 236	1 017 452	1 175 689	...	...
France	418 671	401 173	399 983	438 057	...
Germany, Federal Republic of	889 568	918 086	830 079	741 120	717 351
Greece	25 078	28 917	25 114	...	...
Italy	703 283	752 479	751 278	855 168	...
Netherlands	496 870	545 943	568 795	596 674	...
Portugal	56 695	63 211	41 455	...	...
Spain	281 997	361 606	330 858	368 212	...
Sweden	399 834	350 992	360 063	340 208	...
Croatia	—	25 744	13 992	...	...
Czechoslovakia (c)	*2 300	*700	—	—	—
Czech Republic (c)	—	—	*3 900	...	...
Hungary	...	20 428	30 027	22 554	...
Macedonia (c)	—	...	...	*1 100	...
Norway	102 280	93 813	145 805	180 269	252 658
Poland	58 006	(c) *53 300	(c) *54 200	(c) *66 100	...
Romania	16 883	17 633	38 733	47 699	37 847
Slovenia (c)	—	*5 000	*4 000	...	...
Switzerland	87 827	76 765	75 852	75 601	78 243
Turkey	22 262	32 510	43 044	61 194	84 717
Yugoslavia (d)	(f) 14 285	10 363	...	...	...
Morocco	10 559	...	...	...	...
South Africa	20 904	24 426	22 969	36 985	35 081
Tunisia	34 036	45 176	...	46 590	...
Zimbabwe (e)	1 139	825	...	...	...
Canada	520 562	530 735	531 079	626 718	621 166
Mexico	114 174	111 189	128 117	172 002	...
USA	3 373	4 221	7 626	10 790	12 017
Argentina	18 146	20 463	28 692	24 992	...
Brazil	1 194	1 119	1 628	2 044	...
Chile	10 334	14 307	10 255	15 462	22 152
Colombia	9 750	12 469	9 732	11 944	...
Ecuador	4 054	756	1 937	...	...
Peru	1 035	...	1 395	2 234	...
Uruguay	4 770	5 682	5 481	6 436	...
Venezuela	21 153	31 085	33 413	...	...
Bangladesh (b)	9 144	7 702	9 594	...	...
China	(c) *10 500	10 310	16 844	25 639	...
Cyprus	17 850	7 876	9 926	16 126	8 393
Hong Kong	274 369	310 295	556 138	548 899	405 245
Indonesia	56 301	69 595	74 638	75 597	...
Iran (a)	25 751	31 670	17 175	(c) *10 400	...
Israel (c)	*10 000	*10 400	*6 900	*10 000	...
Japan	1 253 735	1 153 223	1 189 611	1 283 769	...
Korea, Republic of	222 853	205 494	225 961	249 641	...
Malaysia	24 366	27 787	29 270	...	...
Pakistan (b)	6 715	9 526	7 883	8 796	...
Philippines	21 676	21 996	39 967	33 804	...
Saudi Arabia	4 092	6 385	4 453	9 749	...
Taiwan	844 865	1 015 464	1 361 737	1 722 616	1 468 705
Thailand	40 742	44 628	121 972	41 751	...
Australia (b)	11 331	7 119	11 965	...	...
New Zealand (b)	8 780	9 045	8 133	8 657	...

(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) As from 1992 data is for Serbia and Montenegro only

(e) Including fuller's earth

(f) Data for the Federal Republic of Yugoslavia only

## Lead

## Mine Production of Lead

tonnes (metal content)

Country	1991	1992	1993	1994	1995
United Kingdom	*1 000	*1 000	*1 000	2 000	*1 600
Austria	1 915	1 715	2 047	—	—
Finland	2 531	923	—	—	—
France	1 745	—	—	—	—
Germany, Federal Republic of (a)	7 300	2 100	—	—	—
Greece	31 700	28 300	26 900	19 900	20 400
Irish Republic	39 900	42 900	48 300	53 700	46 100
Italy	14 000	18 000	7 400	13 900	15 400
Spain	49 200	31 000	25 300	23 900	29 600
Sweden	91 127	105 295	111 709	112 787	100 070
Bosnia & Herzegovina	—	*800	*200	...	...
Bulgaria	40 600	39 600	34 400	32 000	*28 000
Czechoslovakia	3 375	*2 000	—	—	—
Georgia	—	*1 000	*1 000	*800	...
Macedonia	46 500	31 600	32 700	28 600	24 700
Norway	3 945	4 170	2 245	3 160	1 500
Poland	65 300	49 700	47 700	53 300	55 200
Romania	*16 200	*16 700	*16 800	21 400	20 500
Russia	—	43 500	44 400	25 000	22 800
Slovakia	—	—	1 200	*2 000	...
Slovenia	—	1 000	1 000	—	—
Soviet Union	*205 600	—	—	—	—
Turkey	12 145	9 900	11 000	9 800	10 900
Yugoslavia (c)	84 500	22 661	9 229	9 100	11 300
Algeria	1 100	900	900	700	800
Kenya	600	300	396	100	...
Morocco	77 531	78 716	78 785	70 540	67 710
Namibia	16 058	20 000	18 000	21 100	22 100
South Africa	76 262	75 806	100 171	95 824	87 965
Tunisia	800	800	540	2 000	6 500
Zambia	9 800	6 100	7 600	600	—
Canada	276 528	343 808	183 155	170 909	210 876
Honduras	8 719	9 561	3 838	2 777	2 461
Mexico	160 406	172 563	181 741	163 836	179 740
USA	476 900	406 600	362 400	370 200	393 600
Argentina	23 697	17 956	11 826	9 981	10 521
Bolivia	20 810	20 002	21 220	19 678	20 387
Brazil	7 273	2 517	117	806	*2 500
Chile	1 050	298	344	1 008	944
Peru (a)	199 811	194 225	218 507	233 510	232 540
China	352 000	330 200	346 300	461 900	420 000
India	25 000	30 500	26 000	23 900	34 300
Iran (b)	16 900	12 400	12 700	18 300	17 900
Japan	18 329	18 839	16 470	9 946	9 659
Kazakhstan	—	130 000	104 000	38 000	40 000
Korea, Dem. P.R. of	*80 000	*70 000	*70 000	*70 000	*50 000
Korea, Republic of	12 633	13 628	7 400	2 200	4 100
Myanmar	4 800	2 700	1 900	2 300	4 800
Tajikistan	—	*2 000	*1 600	*1 200	...
Thailand	24 332	27 946	14 233	18 713	...
Uzbekistan	—	*30 000	*30 200	*19 000	*15 000
Australia	579 000	580 000	510 000	505 000	455 000
World total	3 200 000	3 100 000	2 800 000	2 700 000	2 700 000

(a) Recoverable

(b) Years ended 20 March following that stated

(c) As from 1992 data is for Serbia and Montenegro only

## Production of Refined Lead

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	311 014	346 795	363 753	352 466	320 566
Austria	22 679	23 930	22 636	17 165	21 919
Belgium (a)	110 684	116 297	131 112	123 500	121 700
France	297 779	287 060	258 700	260 500	297 100
Germany, Federal Republic of	362 500	354 300	334 100	331 700	313 900
Irish Republic	11 600	12 000	9 400	10 000	11 200
Italy	207 600	186 000	182 800	203 600	180 400
Netherlands	35 100	23 500	24 000	24 500	21 500
Portugal	4 000	7 400	8 300	13 000	*13 000
Spain	110 400	62 100	62 400	70 400	85 400
Sweden	88 003	91 189	84 576	82 788	88 893
Bulgaria	56 223	53 099	*57 000	62 300	72 100
Czechoslovakia	17 835	23 900	—	—	—
Czech Republic	—	—	23 200	25 000	22 000
Macedonia	—	23 341	21 881	20 965	22 500
Poland	50 776	53 700	62 300	61 200	66 400
Romania	*17 300	*14 900	17 428	16 400	22 500
Russia	—	21 900	26 000	34 300	30 300
Slovenia	—	15 000	12 000	15 000	14 000
Soviet Union	*397 000	—	—	—	—
Switzerland	5 200	5 700	5 700	6 000	*6 000
Turkey	8 500	5 100	5 000	5 100	*3 600
Ukraine	—	*40 000	*20 000	9 000	10 000
Yugoslavia (e)	(c) 69 186	23 265	6 393	4 000	14 500
Algeria	3 000	3 000	8 600	*10 000	*10 000
Kenya	2 000	2 300	2 500	1 600	2 000
Morocco	72 700	71 400	69 116	60 740	62 363
Namibia	33 367	31 655	31 235	23 813	26 752
Nigeria	5 400	6 000	4 500	4 200	*4 000
South Africa	30 500	29 000	31 800	31 600	32 100
Zambia	3 500	3 400	3 100	500	—
Zimbabwe	*2 800	*2 600	*2 000	3 000	*3 000
Canada	212 366	252 885	217 014	251 640	277 372
Mexico	216 100	256 600	*239 300	220 700	225 900
Trinidad & Tobago	*1 500	*1 000	*1 000	*1 600	*1 500
USA (b)	1 194 559	1 182 246	1 195 500	1 232 000	1 309 200
Argentina	*25 000	*29 700	*28 500	*25 400	28 728
Brazil (f)	64 000	62 800	66 700	64 000	*60 000
Colombia	*4 600	*4 400	*3 200	*3 600	*4 000
Peru	75 922	82 488	87 198	87 440	89 577
Venezuela	15 000	15 000	15 000	16 000	15 000
China	320 000	366 400	410 300	467 900	420 800
India	47 800	63 700	50 700	60 300	53 800
Indonesia	30 500	39 200	35 000	30 000	*30 000
Iran	38 000	35 000	45 000	46 000	45 000
Japan	332 263	330 161	309 452	292 262	286 534
Kazakhstan	—	*240 000	*250 000	130 000	93 000
Korea, Dem. P.R. of	*65 000	*65 000	*65 000	*50 000	*45 000
Korea, Republic of	48 520	67 671	90 050	129 800	180 700
Malaysia	24 000	28 500	29 000	28 800	33 600
Myanmar (d)	2 526	3 500	1 600	1 800	3 700
Pakistan	*3 000	*3 000	*3 000	*3 000	*3 000
Philippines	16 700	19 100	24 300	17 200	17 200
Taiwan	17 000	20 000	15 000	15 000	36 000
Thailand	12 843	18 906	17 057	16 900	19 100
United Arab Emirates	*5 000	*3 700	*3 500	4 100	*4 000

## Lead

**Production of Refined Lead**

tonnes

Country	1991	1992	1993	1994	1995
Australia	239 000	232 000	221 000	212 000	215 000
New Zealand	5 000	5 000	3 000	6 000	*6 000
World total	5 400 000	5 400 000	5 300 000	5 300 000	5 400 000

## 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) Excluding data from August to December for the Republic of Croatia
- (d) Years ended 31 March following that stated
- (e) As from 1992 data is for Serbia and Montenegro only
- (f) Including scrap for direct use

## Exports of Lead

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	873	2 539	313	45	92
Unwrought	89 666	92 503	109 802	96 569	88 403
Unwrought alloys	27 561	26 982	34 333	34 250	43 631
Scrap	23 910	15 741	14 530	12 592	13 296
Austria					
Unwrought (a)	2 377	3 859	3 033	4 609	...
Scrap	1 632	1 392	1 200	278	...
Belgium-Luxembourg					
Unwrought	46 123	55 582	59 605	85 192	...
Unwrought alloys	7 713	7 008	13 108	17 480	...
Scrap	20 689	41 503	40 103	38 380	...
Denmark					
Unwrought	235	106	29	552	47
Unwrought alloys	169	248	364	586	392
Scrap	16 370	14 404	14 473	18 316	19 691
Finland					
Ore	4 632	1 650	—	...	...
Scrap	10 977	12 282	10 598	...	...
France					
Unwrought	47 775	58 427	41 511	61 247	58 342
Unwrought alloys	24 438	20 035	25 809	21 869	...
Scrap	4 029	6 744	4 590	5 536	5 401
Germany, Federal Republic of					
Ore	4	28	2 673	—	—
Unwrought	38 768	26 822	40 246	61 375	39 278
Unwrought alloys	35 657	29 987	30 911	25 428	22 982
Scrap	23 479	20 530	22 695	26 809	27 072
Greece					
Ore	5 100	5 200	...	...	...
Unwrought (a)	102	385	3 915	233	...
Irish Republic					
Ores & concentrates	66 540	67 637	48 622	150 239	93 141
Unwrought (a)	644	397	21	8	0
Scrap	3 520	3 641	1 160	2 639	1 709
Italy					
Ore	12 725	287	3 419	4 784	(a) 12 000
Unwrought	25 372	18 755	24 096	30 559	...
Unwrought alloys	4 640	1 956	3 964	4 703	...
Scrap	2 654	2 762	7 050	9 877	...
Netherlands					
Unwrought	5 037	7 168	8 180	6 098	9 000
Unwrought alloys	12 826	4 636	3 303	629	...
Scrap	25 768	37 431	28 458	17 914	...
Portugal					
Ore	1 730	728	...	...	...
Spain					
Ore	50 858	66 830	42 908	40 589	...
Unwrought (a)	7 876	1 668	3 445	5 105	...
Scrap	3 522	6 676	2 054	2 273	...
Sweden					
Ore	60 502	71 449	130 693	107 759	...
Unwrought	54 695	58 720	54 083	46 019	41 000
Unwrought alloys	10 483	8 423	8 269	9 291	...
Scrap	531	432	726	1 632	...
Bulgaria					
Unwrought (a) (f)	*6 800	*11 900	*15 000	*14 100	...
Scrap (f)	*3 600	*2 900	*2 800	...	...
Croatia					
Scrap	—	3 947	5 151	...	...
Czechoslovakia					
Ores & concentrates (f)	*7 800	*3 300	—	—	—
Unwrought (a) (f)	*2 100	*8 100	—	—	—
Czech Republic					
Unwrought (a)	—	—	(f) *7 600	6 260	...
Hungary					
Scrap	...	21 501	11 395	15 774	...

## Lead

## Exports of Lead

tonnes

Country	1991	1992	1993	1994	1995
Latvia					
Scrap	—	—	1 000	1 400	...
Macedonia					
Ores & concentrates	—	...	24 094	...	...
Norway					
Ore	7 367	4 286	109	1 500	—
Scrap	10 054	10 502	9 740	13 207	12 140
Poland					
Ores & concentrates	19 153	50 669	30 400	96 629	35 700
Unwrought	9 860	(a) 17 587	(a) (f) *9 100	19 990	12 300
Scrap	10 192	(f) *9 900	(f) *2 400	(f) *900	...
Russia					
Unwrought (a)	—	14 677	866	1 614	406
Slovenia					
Unwrought (a)	—	7 767	7 861	7 805	...
Soviet Union					
Unwrought (a) (f)	*54 400	—	—	—	—
Switzerland					
Unwrought (a)	943	1 857	4 168	3 217	3 860
Scrap	16 679	13 563	16 074	18 586	16 756
Turkey					
Ore (e)	755	950	1 001	5 317	891
Yugoslavia (d)					
Concentrates	(i) 5 639	1 224	...	...	...
Unwrought (a)	(i) 13 159	2 797	...	...	...
Morocco					
Ore	14 908	19 024	32 543	55 423	...
Unwrought	60 690	62 017	74 900	*47 000	...
Namibia					
Unwrought	35 045	31 385	27 956	26 431	22 177
South Africa					
Concentrates (b)	84 225	83 041	87 777	93 716	89 163
Unwrought (f)	*2 100	*2 600	*2 800	...	...
Tunisia					
Ore	1 500	1 700	...	2 070	...
Unwrought	(a) 680	—	...	164	...
Scrap	—	—	...	499	...
Zambia					
Unwrought	1 300	100	200	200	...
Canada					
Ores & concentrates (b) (g)	190 672	205 776	93 549	52 514	90 024
Unwrought	114 838	172 473	161 561	177 713	208 977
Scrap	5 238	6 608	3 354	6 361	7 871
Honduras					
Ores & concentrates (b)	8 719	9 561	3 838	2 777	2 461
Mexico					
Ores & concentrates	233	944	247	—	...
Unwrought	92 537	103 337	103 977	61 435	104 000
Scrap	208	776	133	113	...
USA					
Ores & concentrates (b)	186 350	230 352	88 061	...	...
of which: Re-exports	98 488	158 065	42 156	...	...
Unwrought	73 902	58 109	45 663	44 644	46 042
Unwrought alloys	22 433	7 819	7 651	3 641	4 606
Scrap	89 539	61 561	51 340	82 158	104 352
Argentina					
Ores & concentrates	24 297	6 599	224	7 676	*8 000
Bolivia					
Ore	32 667	32 669	38 366	38 220	32 008
Peru					
Ores & concentrates	266 653	232 673	224 313	203 325	*235 000
Unwrought (a)	57 802	47 370	70 001	75 084	79 800



## Exports of Lead

Country	1991	1992	1993	1994	1995
China					
Ore	5 451	15 212	28 172	62 910	53 629
Unwrought (a)	15 935	89 876	90 777	191 175	163 414
Hong Kong					
Unwrought (a)	2 135	6 716	2 194	4 487	6 855
of which: Re-exports	2 115	6 716	2 194	4 307	6 715
Scrap	6 740	2 735	2 269	706	762
Indonesia					
Unwrought	8 215	5 734	4 407	...	...
Unwrought alloys	8 463	14 276	12 387	...	...
Iran					
Ore (c)	25 432	16 375	9 200	(f) *12 900	...
Japan					
Unwrought (a)	906	4 336	8 764	1 423	...
Scrap	25 261	20 614	8 162	304	...
Kazakhstan					
Unwrought	—	56 000	31 000	...	57 817
Scrap	—	60 000	30 000	...	...
Korea, Dem. P.R. of					
Unwrought (a) (f)	*14 700	*8 700	*2 500	*6 100	...
Korea, Republic of					
Ore	750	—	—	—	...
Unwrought (a)	5 968	8 612	20 670	17 013	20 000
Scrap	4 067	3 000	—	—	...
Saudi Arabia					
Scrap	3 689	9 682	...	4 325	...
Singapore					
Unwrought (a)	11 964	6 042	22 443	29 968	15 305
of which: Re-exports	11 894	5 742	21 394	29 738	15 137
Scrap	7 429	5 744	9 719	10 562	10 479
of which: Re-exports	173	193	2 320	598	1 743
Taiwan					
Unwrought	1 171	121	1 260	646	224
Unwrought alloys	6 786	1 328	340	2 710	7 803
Thailand					
Ore	34 586	12 690	6 800	8 751	...
Australia					
Ores & concentrates	134 000	200 000	192 000	151 000	146 000
Unwrought					
Base bullion (b)	188 000	233 000	205 000	179 000	167 000
Refined (a)	176 016	187 014	166 840	178 000	200 000
Scrap (h)	30 255	21 491	24 093	...	...

## 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) As from 1992 data is for Serbia and Montenegro only
- (e) Complex lead-zinc ore
- (f) BGS estimates, based on known imports into certain countries
- (g) Including Pb content of zinc concentrates
- (h) Years ended 30 June of that stated
- (i) Data for the Federal Republic of Yugoslavia only

## Lead

## Imports of Lead

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Unwrought	203 136	205 703	221 346	184 018	164 663
Unwrought alloys	1 324	4 362	4 036	3 359	2 236
Scrap	5 512	7 070	10 795	25 432	19 715
Austria					
Ore	6 588	3 305	1 745	197	...
Unwrought (a)	46 382	43 853	40 468	46 791	...
Scrap	3 439	4 410	4 937	1 073	...
Belgium-Luxembourg					
Ore	82 066	84 345	92 378	114 705	...
Unwrought	24 743	19 162	20 353	17 592	...
Unwrought alloys	7 859	8 090	8 750	8 463	...
Scrap	18 703	40 701	55 958	60 841	...
Denmark					
Unwrought	2 910	2 359	2 944	2 368	2 946
Unwrought alloys	2 420	2 891	4 455	4 008	1 270
Scrap	723	997	1 686	2 748	1 743
Finland					
Unwrought	7 449	4 712	3 373	5 331	3 000
Unwrought alloys	4 867	3 014	1 375	...	...
France					
Ore	182 263	172 664	159 369	154 303	195 811
Unwrought	32 317	34 821	26 781	48 736	(a) 43 938
Unwrought alloys	10 482	7 277	4 835	5 148	...
Scrap	69 056	74 846	81 675	87 501	92 841
Germany, Federal Republic of					
Ore	175 821	199 795	191 500	123 467	103 231
Unwrought	141 134	134 115	100 711	115 235	131 130
Unwrought alloys	26 037	18 082	15 386	16 799	14 347
Scrap	24 321	21 866	14 194	21 868	14 356
Greece					
Unwrought (a)	10 386	6 027	8 317	6 306	...
Irish Republic					
Unwrought (a)	12 269	9 444	12 833	17 410	17 859
Scrap	9 851	10 361	8 391	9 240	7 978
Italy					
Ore	127 314	112 739	73 509	65 317	...
Unwrought	65 972	67 644	51 436	46 103	(a) 101 000
Unwrought alloys	17 611	14 311	18 406	16 987	...
Scrap	3 614	1 633	764	955	...
Netherlands					
Unwrought	36 124	30 836	25 183	34 704	48 000
Unwrought alloys	7 738	10 579	8 556	6 447	...
Scrap	21 236	16 582	19 396	13 345	...
Portugal					
Unwrought (a)	26 723	27 971	19 034	21 465	...
Spain					
Ore	53 158	81	105	165	...
Unwrought	15 215	42 889	32 846	36 078	54 000
Unwrought alloys	6 524	9 533	4 801	1 995	...
Scrap	4 635	2 598	2 960	3 768	...
Sweden					
Ore	4 001	6 000	1 780	—	...
Unwrought	1 592	1 515	4 589	4 862	...
Unwrought alloys	480	191	979	593	...
Scrap	29 506	34 318	32 405	33 800	...
Bulgaria					
Ore (f)	*3 000	*2 500	*3 000	*7 500	...
Croatia					
Unwrought (a)	—	2 187	3 561	...	...
Czechoslovakia					
Unwrought (a)	10 000	5 000	—	—	—
Estonia					
Ore (f)	—	...	*2 800	*5 100	...
Hungary					
Unwrought & semi-manufactures	...	10 391	14 252	12 839	...

## Imports of Lead

	Lead				
	tonnes				
Country	1991	1992	1993	1994	1995
Norway					
Unwrought (a)	2 368	4 084	3 155	4 569	5 087
Poland					
Unwrought	7 838	(a) 6 090	(a) (f) *9 000	9 625	6 000
Russia					
Ore (f)	—	*36 000	*34 100	*20 300	...
Slovakia					
Unwrought (a)	—	—	1 869	(f) *1 600	...
Slovenia					
Unwrought (a)	—	4 971	10 941	8 107	...
Scrap	—	19 225	8 736	...	...
Soviet Union					
Ore (f)	*8 000	—	—	—	—
Switzerland					
Unwrought (a)	9 612	6 827	4 811	5 895	6 077
Turkey					
Unwrought (a)	18 938	19 034	31 517	26 183	35 834
Scrap	1 651	1 537	4 478	523	956
Yugoslavia (j)					
Concentrates	(h) 1 088	...	...	...	...
Unwrought (a)	(h) 2 267	101	...	...	...
Scrap	(h) 744	73	...	...	...
Algeria					
Unwrought	12 302	(a) 11 778	9 000	6 379	...
Unwrought alloys	7 030	...	...	...	...
Egypt					
Unwrought & scrap	16 117	13 898	12 000	6 202	...
Morocco					
Ore	28 571	22 218	12 220	16 369	...
Unwrought alloys	858	974	494	1 030	...
Namibia					
Concentrates (b)	14 753	11 704	18 443	5 588	6 872
Nigeria					
Unwrought (a)	500	500	500	...	...
South Africa					
Ore	15 843	8 437	5 308	0	5 531
Unwrought (a)	84	1 497	2 211	4 585	8 330
Scrap	2 150	...	...	...	878
Tunisia					
Unwrought (a)	4 497	5 370	2 881	4 113	...
Canada					
Ores & concentrates (b) (g)	14 828	24 116	21 303	35 592	56 027
Unwrought	7 921	7 745	10 890	6 377	4 869
Scrap	58 044	50 538	38 716	67 931	95 705
Cuba					
Unwrought (i)	963	1 614	2 133	609	...
Mexico					
Ores & concentrates	53 909	37 874	47 045	20 783	...
Scrap	1 411	809	314	1	...
USA					
Ores & concentrates (b)	133 639	263 806	71 842	14 541	124 000
Unwrought					
Base bullion	281	71	20	...	...
Other	102 322	171 185	177 593	(a) 233 546	(a) 266 280
Alloys	15 184	20 823	19 632	...	...
Scrap	4 021	6 782	4 024	7 391	10 343
Brazil					
Ore	30 672	35 548	44 599	26 784	...
Unwrought (a)	15 153	9 315	47 401	45 033	...
Scrap	18 208	10 780	11 527	3 925	...
Chile					
Unwrought (a)	2 370	2 633	3 162	3 189	7 289
Colombia					
Unwrought (a)	2 050	4 027	7 093	4 521	...
Scrap	2 258	3 956	3 770	1 025	...

## Imports of Lead

tonnes

Country	1991	1992	1993	1994	1995
Uruguay					
Unwrought	944	660	665	361	...
Venezuela					
Unwrought (a)	9 395	9 920	12 592	7 253	...
Scrap	801	1 624	166	...	...
China					
Unwrought (a)	168	1 741	2 261	5 503	...
Scrap	511	5 712	7 322	5 793	...
Hong Kong					
Unwrought (a)	2 583	8 549	4 190	6 710	8 284
Scrap	4 923	1 532	1 206	172	822
India (c)					
Ore	19 340	50 704	24 404	32 269	...
Unwrought	23 243	8 651	21 766	28 963	...
Unwrought alloys	906	139	39	3 096	...
Scrap	2 302	6 728	27 227	48 874	...
Indonesia					
Unwrought	16 948	28 057	34 188	46 010	...
Unwrought alloys	5 755	7 179	13 251	16 420	...
Scrap	46 424	60 328	19 756	19 975	...
Iran (d)					
Unwrought	8 000	8 000	8 000	...	...
Israel					
Unwrought	700	1 000	1 216	(f) *1 000	...
Japan					
Ore	304 054	270 197	290 706	234 085	165 329
Unwrought	72 566	51 913	49 901	55 709	73 560
Unwrought alloys	39 973	27 819	15 736	17 219	...
Kazakhstan					
Ore (f)	—	*20 300	...	*71 400	...
Korea, Dem. P.R. of					
Unwrought (a) (f)	*3 200	*600	*60	...	...
Korea, Republic of					
Ores & concentrates	9 456	60 842	67 338	121 078	140 653
Unwrought	119 169	117 448	89 082	105 843	134 843
Unwrought alloys	18 895	25 980	16 389	30 132	...
Scrap	17 434	3 661	1 467	1 047	...
Malaysia					
Unwrought (a)	24 670	38 572	35 797	45 678	...
Scrap	6 078	2 076	1 580	...	...
Pakistan (e)					
Unwrought (a)	...	4 955	8 195	8 631	...
Philippines					
Unwrought (a)	6 303	7 327	8 922	9 494	9 000
Scrap	85	78	292	95	...
Singapore					
Unwrought (a)	12 953	39 867	39 670	25 434	16 616
Scrap	5 005	4 538	4 794	4 778	7 865
Taiwan					
Unwrought	74 720	90 985	86 494	90 493	110 511
Unwrought alloys	6 998	8 003	8 268	6 578	3 393
Scrap	11 350	505	—	—	...
Thailand					
Unwrought	19 512	24 524	32 724	28 901	...
Unwrought alloys	6 017	6 050	9 081	16 087	...
Scrap	16 293	13 191	5 296	551	...

**Imports of Lead**

Country	1991	1992	1993	1994	1995
Australia					
Ores & concentrates (e)	47 304	30 106	33 080	...	...
New Zealand (e)					
Unwrought (a)	2 178	1 448	2 128	1 640	...

## 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) Data for the Federal Republic of Yugoslavia only

(i) Exports from Mexico

(j) As from 1992 data is for Serbia and Montenegro only

**Production of Lithium Minerals**

tonnes

Country	1991	1992	1993	1994	1995
Portugal					
Lepidolite	18 970	*15 000	13 289	11 352	*12 000
Russia	—	*45 000	*40 000	*40 000	*40 000
Soviet Union	*50 000	—	—	—	—
Namibia	1 152	1 162	739	1 362	2 611
Zimbabwe	9 186	12 837	18 064	25 279	30 456
Canada	*11 300	*18 500	*18 900	*20 000	*21 000
USA (a) (b)	*4 000	*3 500	*3 500	*3 500	*3 500
Argentina	287	620	*300	*400	...
Brazil					
Amblygonite	28	...	...	...	...
Petalite	212	...	...	...	...
Spodumene	1 721	(d) 3 056	(d) 5 000	(d) 7 031	(d) 7 190
Chile (c)	8 575	10 823	10 369	10 439	12 943
China	*15 500	*15 500	*15 500	*16 000	*16 000
Australia					
Spodumene	43 281	39 980	33 353	61 708	80 135
<b>World total (Li content)</b>	<b>*8 200</b>	<b>*8 100</b>	<b>*7 900</b>	<b>*8 500</b>	<b>*9 300</b>

(a) Li content

(b) Mostly spodumene

(c) Carbonate

(d) Including amblygonite and petalite

## Exports of Lithium

Country	1991	1992	1993	1994	1995
United Kingdom					
Oxides	269	226	160	191	205
Carbonate	607	716	520	387	538
Belgium-Luxembourg					
Oxides	83	21	27	40	...
France					
Oxides	20	4	0	35	...
Germany, Federal Republic of					
Oxides	609	509	334	384	553
Carbonate	1 670	2 113	993	1 464	2 082
Netherlands					
Oxides	80	73	200	240	...
Carbonate	50	120	729	705	...
Spain					
Lithium minerals	—	11 985	58 745	32 024	...
Carbonate	...	...	1 568	4 755	...
Russia					
Oxides	—	946	331	(a) *800	...
Carbonate	—	1 906	1 452	(a) *1 800	...
Soviet Union					
Oxides (a)	*230	—	—	—	...
Carbonate (a)	*200	—	—	—	...
Namibia					
Lithium minerals	1 019	1 048	465	1 269	599
Zimbabwe					
Lithium minerals	20 714	15 207	...	...	...
USA					
Oxides	3 079	2 913	3 060	3 430	4 060
Carbonate	9 380	8 206	6 258	5 208	6 552
Chile					
Carbonate	8 262	10 276	10 590	10 755	13 089
China					
Oxides	(a) *1 100	1 598	1 682	1 474	...
Carbonate	(a) *1 600	1 609	1 680	2 193	...
Australia					
Lithium minerals (b)	34 489	44 412	38 144	...	...

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

(b) Years ended 30 June of that stated

## Lithium

**Imports of Lithium**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Oxides	3 526	2 661	1 289	854	646
Carbonate	2 019	2 006	1 605	1 444	1 335
Belgium-Luxembourg					
Oxides	163	125	230	199	...
Carbonate	399	354	423	519	...
France					
Oxides	389	371	276	376	...
Carbonate	714	866	857	978	...
Germany, Federal Republic of					
Oxides	1 538	1 974	1 878	2 334	3 931
Carbonate	6 362	6 280	5 459	6 342	5 032
Italy					
Oxides	342	213	205	185	...
Carbonate	846	1 070	1 206	1 062	...
Netherlands					
Oxides	137	194	298	255	...
Carbonate	595	868	1 226	923	...
Spain					
Lithium minerals	797	659	44	13	...
Oxides	109	189	65	146	...
Carbonate	336	352	270	491	...
Sweden					
Carbonate	124	61	114	98	...
South Africa					
Lithium minerals	797	...	...	...	...
Oxides	123	162	2 227	6 363	6 875
Canada					
Carbonate	1 184	1 046	1 193	1 201	1 050
USA					
Carbonate	3 110	4 052	4 289	4 500	...
Brazil					
Lithium minerals	3 348	1 780	...	...	...
Oxides	231	(c) 418	...	...	...
Carbonate	240	...	...	...	...
Venezuela					
Carbonate	814	1 363	678	...	...
India (b)					
Oxides	299	440	530	438	...
Carbonate	64	108	63	122	...
Japan					
Oxides	1 025	988	997	1 133	...
Carbonate	4 136	4 137	3 858	4 466	...
Korea, Republic of					
Oxides	194	298	138	331	...
Carbonate	694	674	798	805	...
Taiwan					
Carbonate	181	157	98	106	119
Australia (a)					
Oxides	101	141	117	...	...
Carbonate	98	114	97	...	...

(a) Years ended 30 June of that stated

(b) Years ended 31 March following that stated

(c) Including carbonate



tonnes

## Production of Magnesite

Country	1991	1992	1993	1994	1995
Austria	960 589	995 347	648 864	681 375	783 479
Greece	560 373	472 898	479 999	575 472	520 000
Spain	*420 000	*400 000	*400 000	*400 000	*400 000
Bosnia & Herzegovina	—	*2 000	*2 000	*2 000	...
Czechoslovakia	328 000	1 267 000	—	—	—
Poland	8 100	12 900	13 000	16 400	*16 000
Russia	—	*1 100 000	*800 000	*700 000	*700 000
Slovakia	—	—	*1 200 000	*1 200 000	*1 200 000
Soviet Union	*1 400 000	—	—	—	—
Turkey	1 324 229	1 124 475	629 000	*1 365 527	1 944 186
Yugoslavia (d)	(e) 228 000	185 000	55 000	68 000	75 000
South Africa	98 782	60 085	67 403	71 726	84 639
Zimbabwe	23 295	9 022	6 276	1 588	1 500
Canada (b)	*190 000	*170 000	164 922	*165 000	*165 000
Brazil (c)	*350 000	*300 000	*300 000	*300 000	*300 000
Colombia	18 768	18 840	9 816	10 747	*10 000
China	*1 650 000	1 510 000	1 229 200	943 200	...
India	539 000	602 506	408 971	333 368	*400 000
Iran (a)	29 291	36 165	49 424	46 782	*40 000
Korea, Dem. P.R. of	*1 600 000	*1 600 000	*1 600 000	*1 600 000	*1 600 000
Pakistan	5 191	6 484	4 157	*4 000	*4 000
Philippines	*700	*700	*700	*700	*700
Australia	*100 000	270 053	263 907	288 501	262 932
World total	9 800 000	10 100 000	8 300 000	8 800 000	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

(d) As from 1992 data is for Serbia and Montenegro only

(e) Excluding data from August to December for the Republic of Croatia

## Exports of Magnesite and Magnesia

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Magnesite	2 010	3 765	120	110	291
Magnesia	57 638	36 250	70 465	42 480	60 978
Austria					
Magnesite	81	82	98	287	...
Magnesia	143 687	125 193	99 519	101 319	...
Belgium-Luxembourg					
Magnesite	3 037	4 543	2 100	585	...
Magnesia	2 080	1 508	41 570	40 361	...
France					
Magnesite	45	270	6 035	51	...
Magnesia	25 386	21 007	9 929	16 991	...
Germany, Federal Republic of					
Magnesite	2 366	3 888	1 261	2 172	2 049
Magnesia	73 373	66 375	53 080	58 996	73 686
Greece					
Magnesite	4 181	6 838	1 261	...	...
Magnesia	210 203	187 892	150 503	...	...
Irish Republic	(a) *62 000	(a) *68 700	59 907	26 011	722
Italy					
Magnesite	4 068	3 550	6 465	3 442	...
Magnesia	96 259	106 940	68 680	58 661	...
Netherlands					
Magnesite	5 967	8 302	1 660	744	...
Magnesia	58 384	63 392	27 871	51 801	...
Spain					
Magnesite	9 516	10 540	235	2 705	...
Magnesia	69 519	69 448	79 165	110 793	...
Sweden					
Magnesite	186	167	94	103	...
Magnesia	101	351	71	154	...
Czechoslovakia					
Magnesite	111 000	(a) *70 400	—	—	—
Czech Republic (a)	—	—	*6 000	...	...
Norway					
Magnesite	78	1 279	8	3	575
Magnesia	3 297	2 568	3 099	3 377	3 701
Slovakia	—	—	...	6 475	...
Soviet Union (a)	*5 100	—	—	—	—
Turkey					
Magnesite	114 440	62 118	31 213	53 460	75 748
Magnesia	120 384	106 660	113 996	138 838	144 083
Yugoslavia (d)					
Magnesia	(e) 6 197	6 384	...	...	...
South Africa	(a) *1 500	...	(a) *1 000	(a) *300	140
Zimbabwe	19 182	6 682	...	...	...
Canada					
Magnesia	63 978	63 279	59 708	56 316	61 586
Mexico					
Magnesia	61 230	64 729	58 681	53 655	...
USA					
Magnesite	8 595	5 997	7 572	9 259	31 901
Magnesia	102 632	88 546	89 175	78 831	96 699
Brazil					
Magnesia	40 735	118 638	76 683	93 041	140 544
China	1 540 389	2 035 530	2 160 570	316 581	...
Hong Kong (c)	8 049	10 740	9 331	10 212	15 444
India (b)					
Magnesite	1	—	501	460	...
Magnesia	3 363	1 817	2 488	2 342	...
Israel					
Magnesia	44 270	32 972	33 643	26 594	...

## Exports of Magnesite and Magnesia

tonnes

Country	1991	1992	1993	1994	1995
Japan					
Magnesite	309	401	469	397	...
Magnesia	89 937	77 512	75 349	60 069	...
Korea, Dem. P.R. of (a)	*147 800	*142 300	*126 900	*90 300	...
Singapore	590	2 381	2 903	2 516	873
of which: Re-exports	112	342	785	271	219
Australia (f)					
Magnesite	3 805	402	480	...	666
Magnesia	1 310	17 101	78 431	74 608	94 911

## Note(s):

(1) The term 'magnesia', 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) As from 1992 data is for Serbia and Montenegro only

(e) Data for the Federal Republic of Yugoslavia only

(f) Years ended 30 June of that stated

## Imports of Magnesite and Magnesite

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Magnesite	29 771	27 579	25 425	39 111	22 269
Magnesia	143 188	148 380	117 895	139 112	153 477
Austria					
Magnesite	148	62	261	686	...
Magnesia	145 167	174 186	149 103	174 538	...
Belgium-Luxembourg					
Magnesite	959	15 323	804	6 368	...
Magnesia	27 114	178 175	108 866	84 886	...
Denmark					
Magnesite	7 218	4 727	5 213	5 807	4 101
Magnesia	9 222	8 051	15 206	11 022	7 842
Finland					
Magnesite	1 520	3 156	4 144	...	...
Magnesia	5 053	8 724	3 575	...	...
France					
Magnesite	745	1 728	633	3 121	...
Magnesia	209 522	192 790	145 343	193 556	...
Germany, Federal Republic of					
Magnesite	15 609	13 201	6 721	10 434	16 774
Magnesia	526 083	570 510	469 428	519 967	564 704
Greece					
Magnesite	57 401	39 690	15 252	...	...
Magnesia	6 185	523	951	...	...
Irish Republic					
Magnesite	23 503	13 447	117	226	240
Magnesia	11 521	17 025	25 623	37 335	44 762
Italy					
Magnesite	16 891	18 457	31 113	23 128	...
Magnesia	93 468	81 751	101 189	105 643	...
Netherlands					
Magnesite	4 167	6 822	2 573	2 732	...
Magnesia	101 936	103 605	121 489	61 452	...
Portugal					
Magnesite	1 589	1 752	1 001	...	...
Magnesia	2 606	2 567	3 598	...	...
Spain					
Magnesite	372	302	739	960	...
Magnesia	73 124	82 975	120 386	203 489	...
Sweden					
Magnesite	22 308	13 738	17 483	18 907	...
Magnesia	10 302	15 673	20 170	20 242	...
Bulgaria (b)	*2 100	*2 100	*3 200	...	...
Croatia	—	593	940	...	...
Hungary					
Magnesia	...	2 685	2 254	546	...
Macedonia					
Magnesia (b)	—	...	*300	*7 300	...
Norway					
Magnesite	1 642	1 541	1 541	678	1 700
Magnesia	3 584	10 727	4 123	6 710	3 815
Poland					
Magnesia	64 871	(b) *40 800	(b) *42 900	(b) *39 300	...
Romania	34 898	14 035	32 041	20 069	28 540
Russia	94 041	90 350	35 493	(b) *48 300	...
Slovakia (b)	—	—	*13 300	*2 200	...
Switzerland					
Magnesite	379	518	382	682	346
Magnesia	5 813	4 837	4 954	4 922	4 762
Turkey					
Magnesia	4 944	2 337	7 794	11 965	21 984
Ukraine (b)	—	*280 300	*331 600	*52 900	...
Yugoslavia (d)					
Magnesite	(e) 15 333	10 835	...	...	...
Magnesia	(e) 1 794	2 180	...	...	...

## Imports of Magnesite and Magnesite

Country	1991	1992	1993	1994	1995
Algeria					
Magnesite	1 334	...	...	...	...
Egypt	...	29 678	14 785	...	...
South Africa					
Magnesite	22 153	7 939	6 456	2 546	6 800
Magnesia	79 743	63 320	128 130	130 819	125 853
Tunisia					
Magnesia	1 130	1 088	...	439	...
Canada					
Magnesite	71 341	66 111	67 689	80 202	158 313
Magnesia	87 006	67 780	86 315	95 180	102 553
Mexico					
Magnesite	7 447	4 555	2 229	1 547	...
Magnesia	24 266	27 635	32 875	30 917	...
USA					
Magnesite	1 956	3 182	332	13 968	13 605
Magnesia	258 126	296 986	424 209	475 127	543 952
Argentina					
Magnesia	18 292	11 742	19 075	27 606	...
Brazil					
Magnesia	2 572	4 534	3 433	16 550	...
Chile					
Magnesia	12 820	9 817	10 624	12 979	11 481
Colombia					
Magnesia	6 384	7 055	3 469	10 701	...
Peru					
Magnesia	1 477	1 550	1 871	4 522	...
Venezuela					
Magnesite	35 769	23 301	26 714	...	...
Magnesia	43 965	29 487	30 059	...	...
Hong Kong	10 592	15 559	14 946	21 747	9 807
India (c)					
Magnesite	2 142	2 133	2 290	6 199	...
Magnesia	77 319	85 532	72 503	189 786	...
Indonesia					
Magnesite	1 372	10 016	3 002	3 642	...
Magnesia	15 156	13 171	30 380	33 354	...
Israel (b)	*2 200	*2 200	*2 200	*1 400	...
Japan					
Magnesite	2 270	6 525	8 544	12 400	...
Magnesia	421 934	385 528	466 224	532 354	...
Korea, Republic of					
Magnesite	365	1 974	491	312	...
Magnesia	97 192	99 662	137 353	147 354	...
Malaysia					
Magnesite	16 254	12 238	26 949	...	...
Pakistan (a)					
Magnesite	103	1 432	30	74	...
Magnesia	402	30 617	788	612	...
Philippines					
Magnesite	3 303	3 182	10 721	5 733	...
Magnesia	10 161	8 390	5 808	8 400	...
Singapore	21 035	16 595	30 405	14 442	13 068
Taiwan					
Magnesite	237	4 266	154	363	681
Magnesia	79 350	77 225	99 164	96 048	158 116
Thailand					
Magnesite	18 852	29 513	23 297	21 763	...
Magnesia	6 817	4 763	5 639	5 843	...
Australia (a)					
Magnesite	8 942	13 593	9 973	5 185	2 105
Magnesia	10 191	13 746	7 395	3 942	3 876

**Imports of Magnesite and Magnesia**

tonnes

Country	1991	1992	1993	1994	1995
New Zealand (a)					
Magnesite	991	1 026	443	1 049	...
Magnesia	4 706	15 973	23 117	26 244	...

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
- (d) As from 1992 data is for Serbia and Montenegro only
- (e) Data for the Federal Republic of Yugoslavia only

## Production of Manganese Ore

tonnes

Country		1991	1992	1993	1994	1995
Austria (a)		39 925	30 752	26 890	31 288	42 463
Greece	(50%)	5 000	5 000	2 082	1 960	...
Italy	(30%)	8 350	8 198	8 200	8 200	6 500
Bosnia & Herzegovina	(35%)	—	*10 000	*2 000	*2 000	...
Bulgaria	(30%)	34 000	25 500	15 500	*11 500	5 600
Georgia	(30%)	—	*1 200 000	*1 000 000	*800 000	...
Hungary	(30%)	30 000	18 000	59 000	43 109	40 000
Romania	(22%)	20 000	15 000	*15 000	*28 000	...
Soviet Union	(35%)	7 240 000	—	—	—	—
Turkey	(40%)	*8 900	*8 900	*8 900	13 800	14 800
Ukraine	(30%)	—	5 819 000	4 300 000	2 980 000	...
Yugoslavia	(34%) (e)	*40 000	—	—	—	—
Gabon	(50%)	1 620 388	1 556 000	1 290 000	1 435 000	1 950 000
Ghana	(40%)	485 100	279 019	309 122	238 429	186 902
Morocco	(50%)	59 255	49 120	42 585	31 452	28 415
South Africa						
Metallurgical	(40%)	3 098 613	2 374 613	2 439 501	2 825 082	3 150 688
Chemical	(55%)	47 447	89 022	67 188	50 216	47 881
Mexico	(38%)	206 500	362 500	305 300	240 200	371 500
Argentina	(30%)	4 823	1 500	—	—	—
Brazil	(40%) (b)	*2 000 000	*2 000 000	*2 000 000	*2 500 000	*2 500 000
Chile	(33%)	43 767	49 857	62 989	62 870	70 449
China	(30%)	5 158 000	5 592 300	7 301 000	5 787 000	...
India	(35%) (c)	1 401 000	1 810 000	1 660 000	*1 600 000	...
Indonesia	(50%)	13 253	*13 000	*14 000	*14 000	...
Iran	(30%) (d)	49 690	38 475	75 987	96 115	*90 000
Kazakhstan	(30%)	—	*100 000	*150 000	133 000	...
Philippines	(48%)	4 064	3 224	*3 500	...	...
Thailand	(45%)	11 032	7 827	6 455	6 452	...
Australia	(48%)	1 470 000	1 285 000	2 092 000	1 986 000	2 176 000
World total		23 100 000	22 800 000	23 300 000	20 900 000	22 000 000

## 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) As from 1992 data is for Serbia and Montenegro only

## Manganese

## Exports of Manganese

tonnes

Country	1991	1992	1993	1994	1995
Belgium-Luxembourg					
Ore	12 857	14 208	7 924	8 304	...
Metal	1 881	1 749	2 021	2 372	...
France					
Ore (a)	87 341	143 667	96 428	138 497	...
Metal	3 961	4 819	8 060	1 773	...
Germany, Federal Republic of					
Ore (a)	6 807	17 565	36 531	12 587	202
Metal	1 679	3 037	3 520	5 666	8 482
Netherlands					
Ore	48 876	47 942	37 710	28 901	...
Metal	2 050	2 681	8 139	7 842	...
Portugal					
Ore	8 226	—	40	...	...
Sweden					
Metal	112	58	59	304	...
Bulgaria					
Ore	6 900	23 700	18 300	...	...
Hungary					
Ore	2 000	...	...	...	...
Norway					
Ore	27 772	—	5 795	—	—
Metal	9	79	68	653	949
Soviet Union					
Ore	(f) 249 898	—	—	—	—
Turkey					
Ore	30	8 500	—	3 004	32
Ukraine					
Ore (e)	—	*34 900	...	*122 700	...
Metal (e)	—	—	*2 200	*3 400	...
Gabon					
Ore	1 833 000	1 551 100	1 460 000	...	...
Ghana					
Ore	320 000	284 000	309 000	...	...
Morocco					
Ore	44 108	39 821	35 129	30 767	...
South Africa					
Ore	1 661 518	1 394 606	1 243 817	1 290 870	1 545 205
Metal (e)	...	...	...	*18 700	...
Mexico					
Ore	22 717	32 168	66 490	31 580	...
USA					
Ore	211 252	13 287	16 263	15 787	17 905
Metal	5 305	5 244	4 099	5 089	5 803
Brazil					
Ore	854 006	476 859	750 785	906 503	1 248 318
China					
Ore	19 498	4 987	5 373	3 801	...
Metal	34 600	29 390	34 517	54 461	...
Hong Kong					
Metal (c)	...	2 772	2 422	967	339
India (d)					
Ore (b)	265 291	210 052	286 450	276 598	...
Indonesia					
Ore (a)	3 004	5 120	—	0	...
Singapore					
Ore	10 412	8 150	8 742	13 100	13 863
of which: Re-exports	1 482	723	1 126	2 084	3 856



**Exports of Manganese**

Country	1991	1992	1993	1994	1995
Australia (g) Ore	900 000	1 110 000	1 351 000	1 604 000	1 577 000

## 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) Data for the Russian Federation only
- (g) Years ended 30 June of that stated

## Imports of Manganese

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ore (b)	355 271	395 613	49 073	8 037	91 991
Metal	3 726	4 704	4 346	5 692	6 404
Austria					
Ore	488	102	138	204	...
Metal	1 484	192	239	841	...
Belgium-Luxembourg					
Ore	138 151	149 821	106 689	138 836	...
Metal	2 781	2 968	3 982	3 065	...
Denmark					
Ore	264	237	107	168	132
Metal	434	260	38	107	61
Finland					
Ore	8 452	28 599	25 626	19 603	...
France					
Ore (b)	719 715	902 486	816 364	946 617	...
Metal	3 220	4 433	4 518	6 764	...
Germany, Federal Republic of					
Ore (b)	252 537	285 849	101 070	10 926	11 265
Metal	11 492	13 649	13 215	16 764	24 820
Greece					
Ore	24 491	23 931	80	11 085	...
Metal	274	2 166	914	...	...
Irish Republic					
Ore (b)	32 476	33 605	35 381	31 206	25 443
Italy					
Ore (b)	240 852	85 086	165 897	202 210	...
Metal	2 069	2 798	2 729	3 202	...
Netherlands					
Ore	65 905	50 123	25 638	17 729	...
Metal	1 750	2 793	3 688	9 115	...
Portugal					
Ore (c)	12 024	2 844	3 225	647	...
Spain					
Ore	56 007	74 349	221 544	347 650	...
Metal	991	1 645	1 058	1 848	...
Sweden					
Ore	27 531	8 867	8 544	1 267	...
Metal	1 862	2 234	2 285	2 883	...
Bulgaria					
Ore	16 000	1 900	3 700	...	...
Croatia					
Ore	—	44 575	29 766	...	...
Metal	—	52	264	...	...
Czechoslovakia					
Ore	217 000	200 000	—	—	—
Czech Republic					
Ore	—	—	13 000	13 000	47 000
Macedonia					
Ore	—	...	(b) 43 808	...	...
Norway					
Ore	498 782	619 431	652 774	674 952	734 973
Metal	1 288	1 438	1 242	1 363	1 949
Poland					
Ore	151 833	158 277	160 000	267 556	...
Romania					
Ore	43 453	81 988	5 759	126 370	183 431
Slovakia					
Ore	—	—	103 856	...	...
Switzerland					
Metal	519	613	391	466	539
Turkey					
Ore	1 314	460	721	558	137

## Imports of Manganese

tonnes

Country	1991	1992	1993	1994	1995
Cameroon					
Ore	2 400	2 000	1 000	...	...
Egypt					
Ore	1 994	12 245	13 000	817	...
Kenya					
Ore (b)	2 000	1 000	1 000	...	...
South Africa					
Ore	7 426	6 813	6 523	6 780	5 900
Zimbabwe					
Ore	4 798	550	600	...	...
Canada					
Ore (a)	7 324	7 611	7 609	6 285	9 603
Metal	3 712	3 326	4 140	5 889	4 932
Mexico					
Ore	80 713	71 500	45 409	47 555	...
USA					
Ore	220 914	241 538	228 307	330 527	390 825
Metal	15 883	13 951	15 113	20 508	11 144
Argentina					
Ore	73 813	61 083	38 543	67 352	...
Brazil					
Metal	946	1 847	2 269	2 864	...
Colombia					
Ore	9 410	13 531	17 242	10 161	...
Venezuela					
Ore	96 800	39 789	64 076	87 719	...
China					
Ore	560 947	635 114	568 029	962 215	...
Metal	303	261	212	63	...
Hong Kong					
Ore	762	1 493	1 178	460	430
Metal	...	3 505	2 708	1 004	514
India (e)					
Ore	3 087	2 676	2 241	3 607	...
Metal	1 994	731	1 500	2 119	...
Indonesia					
Ore (b)	2 705	3 642	5 009	14 756	...
Israel					
Ore (d)	*1 100	*2 000	*2 500	*1 400	...
Japan					
Ore (b)	1 663 589	1 054 360	1 350 768	1 199 398	...
Metal	17 931	19 948	24 512	28 012	...
Korea, Dem. P.R. of					
Ore (d)	*73 300	*31 500	*30 500	*700	...
Korea, Republic of					
Ore	442 785	397 923	406 125	457 636	...
Metal	1 158	1 039	1 830	1 929	...
Malaysia					
Ore	1 233	5 135	1 209	861	...
Philippines					
Ore (b)	15 002	4 474	4 335	5 029	...
Saudi Arabia					
Ore	98 385	22 309	4 526	24 139	...
Singapore					
Ore	46 630	16 411	26 620	53 823	50 676
Taiwan					
Ore	125 004	26 718	62 469	52 734	72 570
Metal	168	409	496	591	548

## Manganese

**Imports of Manganese**

tonnes

Country	1991	1992	1993	1994	1995
Australia (f)					
Ore	860	21	37	...	...
Metal	1 246	1 465	1 812	...	...

## Note(s):

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

(a) Mn content

(b) Including manganiferous iron ore

(c) Including ferruginous manganese ore

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

(e) Years ended 31 March following that stated

(f) Years ended 30 June of that stated

## Production of Mercury

Country	1991	1992	1993	1994	1995
Finland	110 435	74 596	100 824	90 000	90 000
Spain	52 100	36 000	393 000	393 000	1 497 000
Czechoslovakia	75 000	60 000	—	—	—
Russia	—	*70 000	*60 000	*50 000	*50 000
Slovakia	—	—	*50 000	*50 000	*50 000
Slovenia	—	12 000	...	6 000	—
Soviet Union	*750 000	—	—	—	—
Turkey	25 000	5 000	—	—	—
Ukraine	—	*100 000	*40 000	*50 000	*50 000
Yugoslavia (a)	*35 000	—	—	—	—
Algeria	431 000	476 000	459 100	414 000	292 000
Mexico	340 000	21 000	12 000	*12 000	*15 000
USA	58 000	64 000	*29 000	*15 000	*15 000
Chile (b)	...	59 000	127 000	70 000	*80 000
China	800 000	600 000	554 000	467 000	*570 000
Kyrgyzstan	—	*300 000	*250 000	448 500	*400 000
Tajikistan	—	*100 000	*80 000	*55 000	*50 000
World total	2 700 000	2 000 000	2 200 000	2 100 000	3 200 000

## Note(s):

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

(a) As from 1992 data is for Serbia and Montenegro only

(b) From copper solvent extraction and electrowinning processes

## Exports of Mercury

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom	108 335	79 967	199 166	245 039	224 298
Austria	1 500	2 400	500	1 400	...
Belgium-Luxembourg	50 100	199 600	3 400	9 400	...
Denmark	—	3 000	2 500	200	4 700
Finland	110 000	89 000	228 000	...	...
France	112 000	87 000	38 000	19 800	...
Germany, Federal Republic of	374 200	97 200	66 700	133 500	116 200
Irish Republic	14 111	149 192	8 400	200	—
Italy	67 900	82 600	150 000	29 400	...
Netherlands	68 000	44 000	96 000	69 000	...
Spain	832 000	898 000	1 170 000	531 000	...
Sweden	79 000	59 000	2 000	26 000	...
Norway	8 000	29 000	5 000	2 000	—
Russia (a)	—	*7 900	*25 800	*163 900	...
Slovenia	—	3 000	1 000	...	...
Switzerland	11 263	3 131	4 767	15 096	18 783
Ukraine (a)	—	...	...	*41 400	...
Algeria	679 000	...	...	...	...
Canada	50 858	64 481	35 614	5 162	107 394
Mexico	328	1 881	307	329	...
USA	588 204	994 441	888 000	355 000	179 000
Chile	690	58 902	126 953	70 077	9 075
China	62 940	52 487	53 423	47 690	...
Hong Kong (b)	123 783	476 724	309 048	1 012 158	1 577 054
Japan	8 676	2 646	6 482	18 576	...
Kyrgyzstan (a)	—	—	*2 200	*105 900	...
Singapore	5 995	19 079	39 041	3 471	2 467
of which: Re-exports	5 945	19 079	39 041	3 210	2 467
Taiwan	49 859	51 035	21 555	36 858	18 231

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

(b) Re-exports

## Imports of Mercury

Country	1991	1992	1993	1994	1995
United Kingdom	39 472	67 252	14 995	5 062	3 890
Austria	6 600	5 300	800	2 400	...
Belgium-Luxembourg	87 200	94 000	50 300	74 600	...
Denmark	14 800	24 000	3 800	5 100	1 900
Finland	1 000	...	...	...	...
France	109 000	133 000	183 000	53 400	...
Germany, Federal Republic of	191 900	174 200	96 500	73 400	133 500
Greece	4 000	3 000	2 000	...	...
Irish Republic	15 647	25 800	30 590	30 800	5 300
Italy	75 900	48 700	11 100	6 400	...
Netherlands	83 000	37 000	191 000	381 000	...
Portugal	14 000	5 000	1 400	...	...
Spain	210 000	220 000	356 000	249 000	...
Sweden	9 000	56 000	5 000	5 000	...
Hungary	...	23 000	17 000	7 000	...
Norway	3 000	...	21 000	3 000	7 000
Poland (a)	...	*13 000	...	...	...
Romania	312 000	216 000	152 000	106 000	106 000
Slovenia	—	3 000	2 000	2 026	...
Switzerland	12 949	7 413	11 952	8 366	19 810
Turkey	5 000	5 000	3 631	22 105	15 764
Yugoslavia (b)	(e) ...	5 000	...	...	...
Morocco	10 269	6 000	...	...	...
South Africa	97 042	...	37 406	53 342	63 573
Tunisia	1 189	1 000	...	339	...
Canada	12 027	18 835	8 751	5 625	6 179
Mexico	45 023	84 865	46 731	37 430	...
USA	55 433	91 705	39 943	129 000	377 000
Argentina	123 000	37 000	...	116 000	...
Brazil	148 828	181 000	158 000	76 000	...
Colombia	76 853	39 046	12 000	44 000	...
Ecuador	18 000	1 000	7 000	...	...
Peru	20 675	...	28 000	73 000	...
Uruguay	300	400	—	3 500	...
Venezuela	48 832	3 929	20 872	...	...
Bangladesh (c)	5 085	10 000	8 000	...	...
China	...	555 630	344 178	909 156	...
Hong Kong	115 526	651 045	472 246	1 385 149	1 976 586
India (d)	482 901	338 947	305 039	292 295	...
Indonesia	86 280	192 972	218 699	8 056	...
Israel (a)	*6 000	*2 000	*1 000	...	...
Japan	44 815	25 791	12 169	6 257	...
Korea, Dem. P.R. of (a)	*3 000	...	*2 000	...	...
Korea, Republic of	30 287	18 008	33 414	34 368	...
Malaysia	5 170	11 160	10 340	...	...
Myanmar (d)	10 160	...	...	...	...
Pakistan (c)	75 146	112 132	36 463	34 206	...
Philippines	120 813	95 425	67 681	157 354	...
Singapore	85 589	23 921	49 710	104 546	45 426
Sri Lanka	837	2 384	173 269	5 037	...
Taiwan	13 599	18 901	3 789	15 625	6 002
Thailand	10 654	11 449	87 497	62 565	...
Australia (c)	73 557	80 759	59 183	...	...

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

(b) As from 1992 data is for Serbia and Montenegro only

(c) Years ended 30 June of that stated

(d) Years ended 31 March following that stated

(e) Data for the Federal Republic of Yugoslavia only

## Production of Mica

tonnes

Country	1991	1992	1993	1994	1995
France (e)	*15 000	*15 000	*12 000	*10 000	*10 000
Spain (e)	*300	*250	*250	*200	...
Norway (b)	*4 200	*4 300	*4 300	*4 400	*5 000
Russia	—	*35 000	*30 000	*29 000	...
Soviet Union	*40 000	—	—	—	—
Yugoslavia (g)	(a) *700	281	68	*75	...
Madagascar	1 900	798	880	*900	...
Morocco	*1 500	*1 500	*1 500	*1 500	...
South Africa	1 883	2 079	1 991	1 959	2 137
Zimbabwe	506	495	510	213	...
Canada	*18 000	*20 000	*22 000	*22 000	*22 000
Mexico	5 587	5 866	6 437	5 753	5 142
USA (d) (e)	102 830	85 338	87 931	109 000	104 000
Argentina	1 648	1 008	1 946	1 824	5 041
Brazil	5 926	6 961	*7 000	*6 700	7 100
China (c)	*23 000	*27 000	*25 500	*33 000	...
India	5 529	*5 500	*3 680	*4 600	...
Iran (f)	4 135	*4 000	1 224	1 360	...
Malaysia (h)	4 281	4 754	4 659	4 993	5 848
Sri Lanka	1 402	*1 000	...	...	...
Taiwan	8 596	11 038	9 751	5 220	9 792
World total	247 000	232 000	223 000	244 000	248 000

## Note(s):

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

(a) Excluding data from August to December for the Republic of Croatia

(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) As from 1992 data is for Serbia and Montenegro only

(h) Sericite clay



## Exports of Mica

Country	1991	1992	1993	1994	1995
United Kingdom					
Unmanufactured	81	9	167	40	5
Ground	5 902	6 624	8 389	6 551	5 549
Waste	156	109	44	126	88
Austria	833	1 060	1 326	3 807	...
Belgium-Luxembourg	487	416	185	3 249	...
Finland	4 133	4 303	3 971	...	...
France					
Unmanufactured	580	815	29	82	...
Ground	7 246	8 464	8 739	9 084	...
Germany, Federal Republic of					
Unmanufactured	26	3	63	32	23
Ground	1 711	2 529	1 801	1 895	2 156
Italy					
Unmanufactured	48	282	27	48	...
Ground	190	329	178	143	...
Netherlands					
Unmanufactured	866	722	790	548	...
Ground	1 198	513	959	1 658	...
Spain	944	1 658	1 481	1 316	...
Sweden	85	59	76	730	...
Norway	2 077	2 170	2 165	2 213	2 486
Switzerland	46	84	8	4	4
Turkey	127	5 602	138	129	83
Madagascar	493	1 137	...	...	...
Morocco	942	1 900	...	...	...
South Africa	831	874	852	918	869
Zimbabwe					
Ground	880	...	...	...	...
Canada	13 362	15 503	15 745	19 081	16 804
USA	...				
Unmanufactured	1 152	899	627	928	(c) 7 635
Ground	3 430	4 040	4 614	5 840	...
Brazil	1 903	2 304	3 236	4 162	...
China	23 020	27 026	25 405	32 753	...
Hong Kong (a)	834	1 058	768	569	1 070
India (b)					
Block	268	211	245	324	...
Splittings	2 578	1 449	1 318	1 005	...
Condenser films	58	0	17	21	...
Waste	3 254	4 062	4 430	2 816	...
Japan	711	793	730	785	...
Malaysia	3 058	3 936	5 008	6 040	...
Singapore	306	440	505	466	1 472
of which: Re-exports	306	346	388	448	1 439
Sri Lanka	839	1 993	1 698	1 468	...
Taiwan	189	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

(c) Including ground

## Imports of Mica

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Unmanufactured	73	51	129	117	164
Ground	2 609	3 209	4 308	3 922	5 819
Waste	13 885	10 466	12 844	11 175	10 716
Austria	280	342	242	293	...
Belgium-Luxembourg					
Ground	1 869	1 753	2 004	2 302	...
Denmark	221	244	95	152	137
Finland	291	629	1 022	...	...
France					
Unmanufactured	3 239	3 686	3 300	2 566	...
Ground	1 695	1 739	1 602	2 620	...
Germany, Federal Republic of					
Unmanufactured	2 107	1 876	2 278	13 606	1 055
Ground	15 507	18 431	12 550	3 413	22 414
Greece	355	665	374	...	...
Irish Republic	484	1 068	212	335	397
Italy					
Unmanufactured	158	354	159	97	...
Ground	1 484	1 534	1 434	2 051	...
Netherlands					
Unmanufactured	542	341	640	238	...
Ground	1 597	2 141	1 870	1 854	...
Portugal	95	97	79	...	...
Spain	1 889	1 716	1 863	2 214	...
Sweden	746	772	548	1 022	...
Norway					
Unmanufactured	74	125	173	2 425	2 248
Waste	2 915	1 726	1 420	22	—
Soviet Union (c)	*500	—	—	—	—
Switzerland	505	394	275	364	447
Turkey	2 009	11	81	86	341
Egypt	...	66	67	...	...
South Africa	739	736	1 513	...	—
Canada	1 201	1 603	2 196	3 095	3 750
Jamaica	157	204	178	208	...
Mexico	689	649	1 046	1 696	...
USA					
Block	127	273	184	78	...
Splittings	1 244	1 601	2 625	962	...
Ground	9 722	11 568	13 147	16 300	(e) 25 002
Other unmanufactured	3 681	3 966	4 912	6 442	...
Colombia	192	201	152	261	...
Venezuela	435	312	286	...	...
Hong Kong	315	1 238	517	633	109
Indonesia	543	887	613	882	...
Japan					
Block	4 890	...	...	...	...
Splittings	7 112	(d) 14 157	(d) 10 316	(d) 11 570	...
Waste	3 521	1 556	4 646	1 546	...
Other unmanufactured	18 842	20 600	19 609	23 771	...
Korea, Republic of	3 095	2 875	3 036	4 216	...
Malaysia	260	291	536	...	...
Philippines	176	153	335	253	...
Saudi Arabia	158	1 039	1 051	1 035	...
Singapore	1 443	59 993	1 491	1 542	1 402
Taiwan					
Unmanufactured	274	139	238	211	214
Ground	903	1 069	946	1 128	1 457
Thailand	510	687	641	819	...

**Imports of Mica**

Country	1991	1992	1993	1994	1995
Australia (b)	527	1 072	1 377	...	...
New Zealand (b)	£130 000	£92 000	£199 000	£252 000	...

## 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) Including block
- (e) Mica; all forms

## Molybdenum

## Mine Production of Molybdenum

tonnes (metal content)

Country	1991	1992	1993	1994	1995
Armenia	—	*1 000	*500	*500	*500
Bulgaria	*200	*200	*200	*200	400
Russia	—	6 000	5 700	4 300	4 400
Soviet Union	*16 000	—	—	—	—
Turkey	*100	*100	*100	—	—
Niger	*10	*10	*10	—	—
Canada	11 329	9 405	9 699	9 188	9 535
Mexico	1 716	1 458	1 705	2 613	3 881
USA	53 364	49 725	36 803	46 800	58 000
Chile	14 434	14 840	14 899	16 028	17 889
Peru	3 046	3 245	2 866	2 778	3 636
China	13 200	19 200	18 300	21 400	24 900
Iran	*400	*800	1 200	2 636	...
Kazakhstan	—	*700	*600	534	282
Korea, Republic of	144	5	—	—	—
Mongolia	*1 700	*1 500	2 100	3 956	3 531
World total	116 000	108 000	95 000	111 000	130 000

## 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

## Exports of Molybdenum

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	875	1 056	603	1 189	2 411
Metal	452	206	1 354	2 712	523
Oxides	112	91	83	201	14
Austria					
Metal	1 390	1 412	1 492	1 398	...
Belgium-Luxembourg					
Ores & concentrates	14 560	14 614	11 352	12 552	...
Metal	80	74	89	257	...
Oxides	214	55	96	123	...
France					
Ores & concentrates	235	479	79	0	...
Metal	256	174	203	162	...
Germany, Federal Republic of					
Ores & concentrates	2 195	1 079	151	149	106
Metal	4 142	862	933	1 346	1 497
Oxides	779	792	1 003	1 016	918
Italy					
Metal	170	164	2	29	...
Netherlands					
Ores & concentrates	14 248	8 234	6 035	7 919	...
Metal	193	217	285	294	...
Oxides	1 057	1 335	822	1 037	...
Sweden					
Ores & concentrates	3 602	2 676	2 046	38	...
Russia					
Ores & concentrates	—	849	3 964	(b) *2 400	...
Metal (b)	—	*100	*300	*1 100	...
Canada					
Ores & concentrates (a)	10 199	7 042	9 917	8 858	8 998
Mexico					
Ores & concentrates	3 130	2 287	1 839	5 003	...
USA					
Ores & concentrates (a)	33 616	33 347	28 298	33 993	44 984
Metal	1 412	1 069	813	1 111	1 570
Oxides	1 571	556	1 042	2 240	...
Chile					
Ores & concentrates	27 338	28 337	30 584	29 922	33 347
Oxides	1 170	1 214	1 210	1 620	2 666
Peru					
Ores & concentrates	5 507	6 161	5 859	5 001	7 369
China					
Ores & concentrates	1 311	1 472	2 369	1 030	...
Metal	232	204	772	967	...
Oxides	895	6 858	15 723	14 099	...
Japan					
Metal	72	85	102	122	...
Mongolia					
Ores & concentrates	...	...	2 900	5 530	...

## 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

## Molybdenum

## Imports of Molybdenum

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	14 212	12 144	11 961	27 869	15 907
Metal	399	468	375	531	985
Oxides	218	98	41	270	314
Austria					
Ores & concentrates	6 764	6 131	6 873	8 308	...
Metal	303	172	170	234	...
Oxides	1 760	2 091	1 975	2 512	...
Belgium-Luxembourg					
Ores & concentrates	26 865	29 147	30 925	30 380	...
Metal	319	207	181	170	...
Oxides	152	111	306	622	...
Finland					
Ores & concentrates	1 306	1 884	1 949	...	...
France					
Ores & concentrates	8 451	8 470	2 710	2 948	...
Metal	413	463	582	558	...
Oxides	292	359	575	512	...
Germany, Federal Republic of					
Ores & concentrates	14 733	10 197	7 416	10 413	13 618
Metal	1 031	1 121	1 406	1 473	1 172
Oxides	306	297	650	702	855
Italy					
Ores & concentrates	2 630	2 408	2 730	3 117	...
Metal	200	198	394	167	...
Oxides	82	41	77	27	...
Netherlands					
Ores & concentrates	19 111	14 620	12 205	15 442	...
Metal	134	223	175	95	...
Oxides	27	128	172	271	...
Spain					
Ores & concentrates	2 014	1 191	1 777	4 994	...
Metal	52	50	45	128	...
Sweden					
Ores & concentrates	8 378	6 178	2 945	4 106	...
Metal	228	352	229	774	...
Oxides	471	1 929	932	855	...
Czechoslovakia					
Ores & concentrates (a)	*600	*100	—	—	—
Switzerland					
Metal	19	47	25	27	29
South Africa					
Metal	15	...	1	4	11
Oxides	437	479	562	814	250
Canada					
Metal	47	41	65	68	105
Oxides	305	250	200	503	1 176
USA					
Ores & concentrates	273	1 425	5 836	3 880	8 966
Metal	522	317	662	1 039	851
Oxides	987	997	635	628	918
Brazil					
Ores & concentrates	2 096	2 816	4 670	5 750	...
Metal	64	79	83	183	...
Oxides	304	377	285	125	...
Chile					
Ores & concentrates	3	7	10 545	15 063	17 593
India (b)					
Ores & concentrates	1 274	656	858	3 022	...
Metal	72	84	82	89	...

## Imports of Molybdenum

tonnes

Country	1991	1992	1993	1994	1995
Japan					
Ores & concentrates	25 298	21 090	23 629	24 120	...
Metal	504	437	371	707	...
Oxides	567	794	1 160	1 041	...
Korea, Republic of					
Ores & concentrates	1 450	1 249	2 038	2 498	...
Metal	79	97	94	163	...
Malaysia					
Metal	207	435	165	...	...
Philippines					
Metal	41	38	9	15	...
Singapore					
Metal	73	1	13	12	13
Taiwan					
Metal	130	152	121	165	179
Australia (c)					
Metal	140	59	117	...	...
Oxides	33	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

## Nickel

**Mine Production of Nickel**

tonnes (metal content)

Country	1991	1992	1993	1994	1995
Finland	10 332	10 311	8 862	7 652	4 400
Greece	19 300	17 000	12 900	18 800	19 900
Albania	4 000	*200	—	—	—
Macedonia	—	5 500	5 300	4 600	2 000
Norway	2 200	3 398	3 462	3 328	3 389
Russia	—	214 100	244 000	212 000	251 000
Soviet Union	*200 000	—	—	—	—
Ukraine	—	5 900	3 500	2 500	*2 200
Yugoslavia (c)	*3 200	—	—	—	300
Botswana	20 432	20 820	21 474	20 646	21 100
South Africa (a)	26 885	27 621	29 868	30 135	29 803
Zimbabwe	11 312	10 115	11 889	13 516	11 700
Canada	192 259	186 384	188 080	149 886	180 984
Cuba	32 246	31 036	29 157	25 956	41 200
Dominican Republic	44 661	43 874	36 487	45 588	44 051
USA	5 523	6 671	2 464	—	1 200
Brazil	26 376	29 372	32 154	32 663	25 469
Colombia	23 000	23 400	22 900	26 200	*28 000
China	30 400	32 800	30 800	36 900	42 200
Indonesia	70 583	78 094	68 757	81 175	86 600
Philippines	13 707	14 005	10 000	9 845	14 700
Australia	67 600	57 800	65 400	75 900	103 000
New Caledonia (b)	99 664	100 500	100 604	97 300	120 700
World total	900 000	920 000	930 000	890 000	1 030 000

(a) Refined nickel and nickel in matte

(b) Ni and Co content

(c) As from 1992 data is for Serbia and Montenegro only



## Smelter/Refinery Production of Nickel

Country	1991	1992	1993	1994	1995
United Kingdom	28 600	28 000	27 000	28 400	35 100
Finland	13 146	14 984	14 577	16 902	...
France	7 455	6 800	9 123	8 350	8 250
Greece	16 005	15 424	10 931	16 200	17 200
Albania	827	—	—	...	...
Czechoslovakia	2 433	1 500	—	—	—
Macedonia	—	2 700	4 500	4 100	2 000
Norway	58 729	55 686	56 817	67 955	53 237
Russia	—	249 500	187 500	183 400	204 100
Soviet Union	*257 000	—	—	—	—
Ukraine	—	*5 000	*2 500	*2 500	...
Yugoslavia (a)	3 200	1 857	443	600	1 000
South Africa	26 885	27 621	29 868	30 135	29 800
Zimbabwe	18 200	17 200	18 300	18 700	15 500
Canada	131 500	135 233	123 139	105 144	121 523
Cuba	18 756	16 920	16 185	14 099	21 600
Dominican Republic	29 063	27 535	23 863	30 794	30 912
USA	7 065	8 962	4 878	—	8 300
Brazil	13 840	14 668	15 705	16 504	15 676
Colombia	20 190	20 195	20 181	20 836	24 500
China	28 000	30 800	30 500	31 300	...
Indonesia	5 300	5 500	5 300	5 800	10 700
Japan	114 200	107 000	102 900	112 600	135 000
Australia	50 000	50 584	50 400	66 600	77 500
New Caledonia	34 411	31 895	36 850	39 500	42 200
World total	880 000	880 000	790 000	820 000	900 000

Note(s):

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

(a) As from 1992 data is for Serbia and Montenegro only

## Exports of Nickel

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Mattes, sinters etc.	700	1 850	1 413	2 000	390
Unwrought	15 377	14 464	16 664	15 391	20 549
Unwrought alloys	3 083	3 045	2 978	2 544	2 902
Scrap	5 880	7 258	5 888	5 789	4 460
Austria					
Unwrought (a)	184	267	306	176	...
Scrap	113	273	266	448	...
Belgium-Luxembourg					
Mattes, sinters etc.	1 048	3 560	2 978	—	...
Unwrought	349	751	2 416	6 213	...
Unwrought alloys	597	448	734	1 162	...
Scrap	1 130	1 062	325	745	...
Denmark					
Scrap	148	143	247	233	219
Finland					
Ores & concentrates	1 266	1 686	2 888	36 017	...
Unwrought	6 791	10 520	(a) 12 849	12 530	12 846
Scrap	90	977	1 846	638	236
Oxides	476	459	557	...	...
France					
Unwrought	4 638	4 096	6 104	5 029	6 147
Unwrought alloys	253	77	55	76	119
Scrap	4 615	5 078	3 367	3 107	3 731
Germany, Federal Republic of					
Unwrought	4 362	9 133	11 196	8 098	6 963
Unwrought alloys	3 794	3 041	2 785	3 040	3 299
Scrap	11 063	15 528	11 770	12 996	9 695
Oxides	197	187	164	188	112
Irish Republic					
Unwrought (a)	85	70	32	6	2
Scrap	241	322	277	398	428
Italy					
Unwrought (a)	3 851	701	397	1 097	422
Scrap	365	453	368	469	...
Netherlands					
Mattes, sinters etc. (b)	*8 400	*7 900	*1 600	*1 600	...
Unwrought (a)	3 194	619	3 145	2 835	...
Scrap	6 123	8 376	9 087	9 154	...
Oxides (b)	*250	*300	*350	*300	...
Spain					
Scrap	256	1 706	697	1 181	...
Sweden					
Unwrought (a)	62	598	81	722	...
Scrap	947	2 479	984	962	...
Albania					
Unwrought	2 000	—	—	...	...
Czech Republic					
Ores & concentrates	—	—	5 749	7 222	34
Estonia					
Unwrought (a) (b)	—	*1 300	*2 000	*1 600	...
Scrap (b)	—	*8 000	*4 500	*3 000	...
Latvia					
Unwrought (a) (b)	—	*400	*2 300	*1 100	...
Scrap (b)	—	*1 000	*1 400	*500	...
Lithuania					
Unwrought (a) (b)	—	*1 300	*1 200	*1 300	...
Scrap (b)	—	*6 200	*3 700	*400	...
Norway					
Ore	23 452	29 320	30 870	45 854	33 253
Unwrought	(a) 56 655	(a) 53 874	(a) 59 860	(a) 67 187	52 644
Scrap	53	285	289	360	479
Russia					
Mattes, sinters etc.	—	9 134	12 627	16 494	—
Unwrought (a)	—	118 294	87 175	103 679	133 484
Scrap (b)	—	*11 500	*20 300	(b) *11 000	...
Oxides	—	1 279	1 009	(b) *500	...

## Exports of Nickel

Country	1991	1992	1993	1994	1995
Soviet Union					
Mattes, sinters etc. (b)	*13 400	—	—	—	—
Unwrought (a) (b)	*98 900	—	—	—	—
Switzerland					
Unwrought (a)	64	93	127	249	227
Scrap	347	241	387	240	176
Ukraine					
Unwrought (b)	—	*50	*100	*9 100	...
Yugoslavia (g)					
Scrap	(i) 121	47	...	...	...
Botswana					
Mattes, sinters etc.	48 800	45 500	51 600	44 000	39 000
South Africa					
Unwrought (a)	17 934	17 170	16 442	14 300	16 704
Scrap (b)	*1 800	*1 200	*1 800	*1 500	...
Zimbabwe					
Unwrought (a)	11 517	11 767	10 500	...	...
Canada					
Mattes, sinters etc.	75 107	75 610	59 440	71 778	78 706
Unwrought (a)	(c) 61 961	104 875	99 595	82 466	86 234
Scrap	4 232	4 178	2 428	2 257	3 294
Cuba					
Oxide, sinter & sulphide (e)	*30 400	*33 000	*29 000	*28 800	...
USA					
Mattes, sinters etc.	6 959	4 561	4 944	4 762	4 569
Unwrought (a)	4 768	4 814	3 966	5 663	6 117
Scrap	21 502	17 213	16 369	24 225	28 443
Brazil					
Unwrought	2 437	3 162	4 556	4 716	4 378
China					
Unwrought (a)	(b) *200	179	3	5 544	1 484
Hong Kong					
Unwrought (a) (f)	4 980	22 079	9 591	6 557	5 576
Scrap	55	365	3 135	234	215
Indonesia					
Ore	1 697 110	1 493 474	1 545 562	1 497 861	...
Mattes, sinters etc.	42 284	35 774	46 609	61 766	...
Israel					
Scrap (b)	*500	*300	*300	*400	...
Japan					
Mattes, sinters etc.	0	1 218	3 291	9 916	...
Unwrought (a)	81	78	89	134	...
Scrap	312	441	320	562	...
Oxides	1 102	360	347	613	...
Korea, Republic of					
Unwrought (a)	837	282	122	1 876	3 198
Scrap	7 567	2 084	2 587	1 340	...
Philippines					
Ores & concentrates	626 573	478 255	580 248	646 461	...
Singapore					
Unwrought (f)	1 220	907	1 647	2 898	3 770
Scrap	69	138	124	317	510
Taiwan					
Unwrought (a)	105	82	137	84	311
Scrap	2 346	1 470	1 642	1 924	1 665
Australia (d) (h)	(b) *71 300	75 000	96 000	112 000	123 000
New Caledonia					
Ores	2 067 000	3 483 201	3 353 879	...	...
Mattes, sinters etc.	11 600	10 700	14 700	...	...

**Exports of Nickel**

tonnes

Country	1991	1992	1993	1994	1995
New Zealand Scrap (h)	159	796	515	260	...

## 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) Exports to the USA only
  - (d) Unwrought metal and Ni content of ores, concentrates and intermediate products
  - (e) Ni-Co content (mainly nickel)
  - (f) Re-exports
  - (g) As from 1992 data is for Serbia and Montenegro only
  - (h) Years ended 30 June of that stated
  - (i) Data for the Federal Republic of Yugoslavia only

## Imports of Nickel

Country	1991	1992	1993	1994	1995
United Kingdom					
Mattes, sinters etc.	44 929	43 027	43 275	40 827	53 820
Unwrought	16 621	15 696	12 408	17 231	20 877
Unwrought alloys	667	1 177	2 767	4 836	3 797
Scrap	5 766	6 562	6 264	7 927	7 466
Oxides	113	112	110	83	378
Austria					
Mattes, sinters etc.	597	255	149	169	...
Unwrought (a)	2 506	2 402	2 519	2 822	...
Scrap	504	1 509	1 617	1 005	...
Oxides	1 571	1 017	270	496	...
Belgium-Luxembourg					
Ore	439	3	123	1 004	...
Mattes, sinters etc.	5 310	6 021	2 144	395	...
Unwrought	9 650	8 038	13 831	20 409	...
Unwrought alloys	139	96	104	43	...
Scrap	908	1 261	1 967	528	...
Oxides	137	119	153	148	...
Denmark					
Unwrought (a)	150	157	139	157	142
Finland					
Ore	20 093	32 733	85 360	111 084	134 830
Mattes, sinters etc.	5 538	4 755	360	2 938	4 088
Unwrought (a)	5 476	3 834	5 932	5 593	9 529
Scrap	4 882	9 586	11 916	8 515	7 005
France					
Mattes, sinters etc.	11 690	10 530	16 363	16 440	17 256
Unwrought	21 853	20 464	19 994	27 257	30 547
Unwrought alloys	4 468	4 387	4 521	5 189	6 009
Scrap	2 835	3 760	1 331	2 247	3 049
Oxides	176	215	220	310	...
Germany, Federal Republic of					
Mattes, sinters etc.	11 337	16 555	17 233	9 057	5 096
Unwrought (a)	51 950	40 969	52 398	58 026	75 073
Scrap	10 781	30 484	30 348	16 982	12 875
Oxides	377	454	509	460	411
Greece					
Unwrought (a)	173	63	49	49	87
Irish Republic					
Unwrought (a)	694	672	700	991	1 137
Italy					
Mattes, sinters etc.	8 590	9 347	7 479	6 070	5 489
Unwrought	20 244	13 638	23 440	31 642	40 555
Unwrought alloys	1 004	897	1 336	1 273	...
Scrap	149	693	119	209	...
Oxides	283	106	137	139	...
Netherlands					
Mattes, sinters etc. (e)	*13 700	*15 900	*15 000	*11 800	...
Unwrought	1 295	1 463	4 233	3 999	...
Unwrought alloys	11	271	422	132	...
Scrap	3 732	6 468	2 855	4 882	...
Oxides	226	172	756	1 213	...
Portugal					
Unwrought (a)	230	291	211	258	...
Spain					
Mattes, sinters etc.	280	382	400	222	...
Unwrought (a)	9 665	6 444	9 335	19 035	...
Sweden					
Ore	—	100	43	—	...
Mattes, sinters etc.	2 380	3 081	3 400	3 017	...
Unwrought	10 039	10 096	14 862	18 736	...
Unwrought alloys	1 291	377	382	733	...
Scrap	9 939	17 237	13 029	14 407	...
Czechoslovakia					
Unwrought (a)	5 500	2 700	—	—	—

## Imports of Nickel

tonnes

Country	1991	1992	1993	1994	1995
Norway					
Mattes, sinters etc.	133 194	115 227	141 931	146 274	109 317
Unwrought (a)	52	55	75	275	151
Russia					
Ore	357 000	3 563	—	(e) *36 000	...
Slovakia					
Unwrought (a)	—	—	1 139	...	...
Slovenia					
Unwrought (a)	—	990	956	1 053	...
Switzerland					
Unwrought (a)	1 194	1 264	883	702	801
Scrap	77	464	141	190	223
Turkey					
Unwrought (a)	941	727	1 076	836	1 432
Yugoslavia (g)					
Unwrought (a)	(f) 161	96	...	...	...
South Africa					
Unwrought (a)	44	386	155	201	16 355
Canada					
Ores & concentrates (b)	8	281	589	896	2 474
Mattes, sinters etc.	23 299	33 863	33 974	34 476	49 437
Unwrought (a)	10 063	3 790	10 778	11 063	7 308
Scrap	14 717	18 238	18 308	20 950	21 919
Mexico					
Unwrought (a)	1 644	1 672	1 482	1 520	...
USA					
Slurry, mattes, sinters etc.	5 157	4 798	5 088	3 477	724
Unwrought (a)	104 062	91 880	98 641	99 118	121 438
Scrap	7 469	7 608	6 038	5 752	9 460
Oxides	575	721	863	...	...
Argentina					
Unwrought	500	580	319	361	...
Brazil					
Unwrought (a)	3 435	4 107	4 751	5 809	7 637
Colombia					
Unwrought	181	253	395	439	...
Venezuela					
Unwrought (a)	197	277	144	159	...
China					
Unwrought (a)	4 568	6 478	2 573	98	...
Hong Kong					
Unwrought (a)	8 068	32 137	12 334	9 648	11 427
India (c)					
Mattes, sinters etc.	4 964	1 753	1 827	2 075	...
Unwrought (a)	3 253	5 533	7 146	10 251	...
Scrap	200	145	168	139	...
Japan					
Ore	4 002 388	3 450 616	3 043 604	2 901 560	3 794 220
Mattes, sinters etc.	67 267	67 707	66 018	84 498	88 852
Unwrought	50 822	27 489	33 322	47 560	61 623
Unwrought alloys	376	276	224	266	886
Scrap	4 155	4 551	4 984	6 305	6 511
Oxides	272	212	236	126	...
Korea, Dem. P.R. of					
Unwrought (a) (e)	*100	*100	*200	*100	...
Korea, Republic of					
Mattes, sinters etc.	16 103	14 730	16 495	20 305	18 743
Unwrought (a)	13 280	5 526	8 671	12 750	18 855
Scrap	2 366	2 310	2 025	1 690	...
Malaysia					
Unwrought (a)	478	212	202	357	...
Pakistan					
Unwrought (a) (d)	686	977	368	369	...

**Imports of Nickel**

Country	1991	1992	1993	1994	1995
Singapore					
Mattes, sinters etc.	1 040	714	517	841	845
Unwrought	706	1 328	1 751	3 182	5 389
Scrap	224	306	366	302	544
Taiwan					
Mattes, sinters etc.	7 280	8 316	3 168	2 763	7 352
Unwrought (a)	13 145	9 581	15 372	20 737	39 747
Scrap	82	220	124	135	448
Oxides	432	493	541	693	1 938
Thailand					
Unwrought (a)	812	1 201	956	1 190	...
Australia (d)					
Unwrought	291	291	271	...	...
Unwrought alloys	285	225	184	...	...
Scrap	38	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  
 (f) Data for the Federal Republic of Yugoslavia only  
 (g) As from 1992 data is for Serbia and Montenegro only

## Production of Crude Petroleum

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	86 832 000	89 184 000	93 950 000	119 032 000	121 794 000
Austria	1 279 882	1 179 933	1 155 224	1 099 994	1 077 678
Denmark (e)	7 003 426	7 611 388	8 298 537	9 161 162	9 171 481
France	2 950 000	2 873 000	3 094 000	3 323 000	2 600 000
Germany, Federal Republic of	3 385 000	3 247 000	3 054 000	2 928 000	2 882 000
Greece	848 594	697 739	557 258	514 000	489 000
Italy	4 305 916	4 468 191	4 572 000	4 590 000	5 029 000
Netherlands	3 258 000	2 845 000	2 672 000	3 437 000	2 721 000
Spain	1 067 000	1 067 000	875 000	1 066 000	873 000
Albania	1 002 000	985 000	620 000	536 000	521 000
Azerbaijan	—	11 158 000	10 262 000	9 339 000	9 200 000
Belarus	—	2 001 000	2 005 000	2 000 000	1 932 000
Bulgaria	58 000	53 000	52 000	36 000	45 000
Croatia	—	1 742 851	1 729 110	1 576 579	1 577 000
Czechoslovakia	140 000	143 467	—	—	—
Czech Republic	—	—	107 000	131 000	149 000
Georgia	—	201 000	190 000	190 000	158 000
Hungary	1 893 000	1 825 000	1 709 000	1 631 000	1 669 000
Lithuania	—	63 800	72 000	82 000	127 000
Norway	94 181 000	106 977 000	114 184 000	129 321 000	139 814 000
Poland	158 000	199 000	235 000	284 000	290 000
Romania	6 791 000	6 608 000	6 673 000	6 716 000	7 000 000
Russia	—	399 000 000	354 000 000	317 800 000	306 800 000
Slovakia	—	—	66 523	67 800	75 400
Soviet Union	515 416 000	—	—	—	—
Turkey	4 520 030	4 296 026	4 025 000	4 038 000	3 492 000
Ukraine	—	4 400 000	4 263 000	3 942 000	4 000 000
Yugoslavia (d)	3 005 374	1 165 000	1 148 000	1 078 000	986 000
Algeria	58 454 000	58 045 000	56 341 000	55 852 000	56 587 000
Angola	24 751 000	26 356 000	24 980 000	26 142 000	31 025 000
Benin	202 300	195 000	194 000	192 000	124 000
Cameroon	7 709 000	6 978 000	6 343 000	6 543 000	5 050 000
Congo	8 042 100	8 659 600	9 428 200	9 003 000	8 772 000
Egypt (f)	44 375 000	43 821 000	44 967 000	45 186 000	*45 000 000
Equatorial Guinea	—	75 000	234 000	270 000	345 000
Gabon	14 982 000	14 898 000	14 982 000	15 876 000	17 187 000
Ivory Coast	60 000	63 000	—	...	489 000
Libya	73 968 000	73 266 000	67 874 000	66 631 000	68 620 000
Nigeria	96 455 000	97 193 000	102 050 000	102 099 000	101 671 000
Tunisia	5 195 000	5 195 000	4 655 000	4 378 000	4 171 000
Zaire	1 380 000	1 302 000	1 172 000	1 241 000	1 516 000
Barbados	62 382	65 716	63 471	63 190	50 000
Canada	81 963 600	85 129 400	88 765 300	92 781 400	95 665 500
Cuba	817 000	882 100	1 131 000	1 209 000	1 285 000
Guatemala	187 648	284 473	347 800	367 100	474 700
Mexico	143 480 935	142 950 000	143 570 000	144 139 000	*140 000 000
Trinidad & Tobago	7 424 600	6 994 400	6 380 900	6 750 000	6 732 200
USA	369 181 000	356 936 000	340 809 000	331 601 000	326 524 000
Argentina	26 108 344	29 415 684	31 519 250	35 346 373	38 152 906
Bolivia	1 034 000	985 000	1 071 000	1 162 000	1 209 000
Brazil	32 478 773	32 799 027	33 561 670	34 794 122	35 965 658
Chile	942 613	786 550	752 660	651 409	552 019
Colombia	21 926 896	22 593 500	23 345 625	23 392 200	30 138 211
Ecuador	15 258 343	16 344 278	17 497 489	19 262 390	19 749 865
Peru	5 656 596	5 710 510	6 222 761	6 274 000	6 000 000
Suriname	246 598	263 844	312 947	365 731	352 000
Venezuela	125 041 231	125 762 000	130 200 000	138 000 000	*145 000 000
Abu Dhabi	95 836 898	97 860 963	*95 000 000	89 054 000	96 227 000
Bahrain	2 100 137	2 065 437	2 031 284	7 117 486	14 405 287
Brunei	8 049 000	8 142 000	7 797 000	8 095 000	7 738 000
China (a)	140 990 000	142 100 000	145 237 400	146 080 000	148 874 000
Dubai	20 861 000	19 373 000	17 158 000	16 217 000	15 536 000
India	31 287 000	27 863 000	26 495 000	32 363 000	34 456 000



## Production of Crude Petroleum

tonnes

Country	1991	1992	1993	1994	1995
Indonesia	71 038 899	76 456 000	75 356 000	75 378 000	75 892 000
Iran	166 731 000	173 172 000	183 677 000	180 891 000	180 911 000
Iraq	14 876 000	20 871 000	23 548 000	27 752 000	31 833 000
Japan	800 933	852 000	774 000	789 000	736 000
Kazakhstan	—	21 933 600	19 572 200	18 897 000	20 014 000
Kuwait (c)	9 567 000	53 121 000	94 488 000	102 454 000	102 589 000
Kyrgyzstan	—	141 000	135 000	130 000	125 000
Malaysia	32 000 000	31 300 000	30 600 000	31 100 000	34 900 000
Myanmar	689 864	775 974	734 754	765 000	823 000
Oman	35 324 604	36 961 266	38 571 000	40 521 000	43 031 000
Pakistan	3 054 000	2 977 000	2 909 000	2 774 000	2 677 000
Philippines	149 760	537 000	466 000	246 000	170 000
Qatar	19 900 000	23 000 000	21 300 000	20 800 000	21 300 000
Ras al Khaimah	40 000	40 000	50 000	50 000	...
Saudi Arabia (c)	410 047 000	420 104 000	407 555 000	402 770 000	402 831 000
Sharjah	1 922 000	1 927 000	2 142 000	2 402 000	2 402 000
Syria	24 644 000	27 660 000	29 200 000	29 200 000	31 589 000
Taiwan	99 000	66 000	61 000	61 000	...
Tajikistan	—	96 000	39 000	30 000	26 000
Thailand	2 432 400	2 315 000	2 319 000	2 309 000	2 619 000
Turkmenistan	—	5 227 000	5 314 000	3 860 000	5 000 000
Uzbekistan	—	2 831 000	2 806 000	2 709 000	2 701 000
Vietnam	3 900 000	5 401 000	6 257 000	7 002 000	8 565 000
Yemen, Republic of (b)	9 443 061	8 433 626	10 600 000	16 000 000	16 000 000
Australia	28 835 416	28 326 395	26 300 345	28 505 191	27 031 036
New Zealand	1 877 200	1 766 600	1 864 400	1 983 000	2 478 000
Papua New Guinea	—	2 123 000	5 748 000	5 522 000	4 679 000
World total	3 042 000 000	3 064 000 000	3 064 000 000	3 097 000 000	3 151 000 000

## Note(s):

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

(a) Including oil from shale and coal

(b) Yemen Arab Republic and People's Dem. Rep. of Yemen were unified on 22 May 1990 as the Republic of Yemen

(c) Including shares of production from the Neutral Zone

(d) As from 1992 data is for Serbia and Montenegro only

(e) Sales

(f) Years ended 30 June of that stated

## Production of Natural Gas

million m<sup>3</sup>

Country	1991	1992	1993	1994	1995
United Kingdom	55 209	55 945	65 336	69 584	75 461
Austria	1 329	1 441	1 488	1 355	1 482
Denmark (g)	3 509	3 850	4 266	4 622	5 009
France	3 370	3 280	3 520	3 190	*3 000
Germany, Federal Republic of	21 890	18 800	18 700	19 590	20 210
Greece	—	100	70	120	...
Irish Republic	2 400	2 300	2 690	2 710	3 700
Italy	17 220	18 109	19 400	20 640	20 380
Netherlands	81 666	82 020	83 652	78 604	79 328
Spain	1 320	1 210	633	197	383
Albania	*140	*100	82	52	28
Azerbaijan	—	7 370	6 340	6 380	6 640
Belarus	280	280	280	260	270
Croatia	—	1 820	2 068	1 792	1 870
Czechoslovakia	592	370	—	—	—
Czech Republic	—	—	107	131	149
Hungary	5 043	5 057	5 325	5 462	5 365
Norway	27 425	29 419	28 867	30 631	*31 500
Poland	4 132	4 019	4 949	4 635	4 803
Romania	24 800	22 100	21 100	19 590	19 200
Russia	—	640 100	617 600	606 800	594 900
Slovakia	—	—	264	*200	...
Soviet Union	810 530	—	—	—	—
Turkey	203	200	210	200	200
Ukraine	—	20 900	23 100	18 300	18 100
Yugoslavia (h)	(f) 1 878	846	962	824	760
Algeria	54 760	55 800	53 900	50 300	58 100
Angola	580	570	560	560	560
Egypt	9 080	9 820	11 300	12 000	12 430
Gabon	100	100	100	90	100
Libya	6 750	6 770	6 360	6 220	6 200
Nigeria	4 750	4 720	5 150	4 090	3 600
South Africa	—	40	1 860	1 960	...
Tunisia	387	402	366	354	340
Canada	129 598	141 365	155 033	166 533	176 323
Mexico	26 521	26 146	25 440	25 850	26 590
Trinidad & Tobago	5 705	5 943	5 871	6 700	7 200
USA (e)	501 146	505 170	512 400	530 900	535 200
Argentina	21 957	22 291	22 928	*24 000	*26 000
Bolivia	2 987	3 130	3 100	3 279	3 300
Brazil	3 411	3 543	3 924	*4 000	*4 000
Chile	1 649	1 750	1 951	2 185	2 104
Colombia	4 400	4 270	4 700	4 600	4 900
Peru	585	525	524	*600	*600
Venezuela	21 902	21 620	25 610	27 700	30 200
Abu Dhabi	15 706	16 659	14 400	16 740	20 470
Afghanistan (c)	300	300	300	*300	*300
Bahrain	6 315	7 249	7 646	9 996	10 101
Bangladesh (d)	4 893	5 337	5 973	6 338	7 006
Brunei	7 850	8 100	8 280	8 420	9 350
China	16 073	15 788	16 765	17 563	*18 000
Dubai	2 980	2 250	1 700	*1 500	...
India	12 700	15 320	15 100	16 810	18 620
Indonesia	65 599	73 132	75 450	*80 000	*80 000
Iran	26 000	25 000	27 100	31 800	35 100
Iraq	1 100	2 270	2 550	3 000	3 430
Japan	2 134	2 170	2 170	2 270	2 180
Kazakhstan	—	6 005	5 416	4 500	4 800
Kuwait (a)	500	2 620	4 470	4 660	4 660
Malaysia	21 150	22 550	24 900	26 130	29 790
Myanmar (b)	900	1 204	1 100	1 290	...
Oman	2 400	2 600	4 100	4 700	5 000
Pakistan	15 130	15 540	17 300	17 760	18 220

**Production of Natural Gas**million m<sup>3</sup>

Country	1991	1992	1993	1994	1995
Qatar	9 300	12 620	13 500	13 500	13 600
Saudi Arabia (a)	32 000	34 000	35 900	37 700	40 340
Sharjah	4 320	5 820	6 890	...	...
Syria	3 500	3 600	3 700	*4 160	4 410
Taiwan	928	872	826	867	...
Tajikistan	—	*90	*90	*5	100
Thailand	8 088	8 645	8 790	9 680	10 410
Turkmenistan	—	56 060	60 910	35 800	31 400
Uzbekistan	—	39 930	41 980	47 200	48 000
Australia	21 694	23 462	24 457	28 147	29 761
New Zealand	5 273	5 571	5 383	4 996	4 699
Papua New Guinea	—	60	80	100	...
World total	2 146 000	2 148 000	2 189 000	2 211 000	2 253 000

## 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) Years ended 31 March following that stated

(c) Years ended 20 March following that stated

(d) Years ended 30 June of that stated

(e) Dry gas

(f) Excluding data from August to December for the Republic of Croatia

(g) Sales

(h) As from 1992 data is for Serbia and Montenegro only

## Exports of Crude Petroleum

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	51 694 907	54 388 088	59 668 482	77 612 329	79 065 036
Belgium-Luxembourg	118	4 347	348 829	128 546	...
Denmark	4 051 480	4 428 201	3 161 834	2 897 144	5 130 017
France	30 099	115	362	40 191	...
Germany, Federal Republic of	120 400	173 376	36 914	1 075 571	408 124
Greece	532 827	533 213	536 000	...	...
Italy	499 208	252 138	576 865	46 011	...
Netherlands	1 190 242	1 004 076	872 990	1 386 614	...
Sweden	84 005	1 172	7 014	0	...
Belarus (a)	—	*59 200	*25 000	*106 500	...
Croatia	—	406 066	85 709	46 761	123 038
Georgia (a)	—	*76 900	*181 600	*49 600	...
Hungary	2 715 000	...	...	...	...
Latvia (a) (b)	—	*404 900	*1 029 200	*2 372 000	...
Lithuania (a)	—	*190 000	*106 800	*137 800	...
Norway	82 196 498	92 568 217	99 581 969	111 335 668	121 860 012
Russia	56 476 000	66 209 000	79 940 000	124 700 000	122 300 000
Slovenia	—	757 731	1 818 955	94 211	...
Ukraine (a)	—	*628 600	*1 151 400	...	...
Algeria	32 004 000	*26 000 000	*30 000 000	31 492 000	...
Angola	18 626 000	19 781 000	*18 800 000	...	...
Benin	*295 000	*298 000	...	...	...
Cameroon	2 060 000	1 823 000	*1 500 000	...	...
Congo	7 010 024	8 295 529	9 001 933	...	...
Egypt	13 615 000	9 952 000	*9 600 000	7 867 000	...
Gabon	13 642 000	13 369 000	14 807 000	...	...
Libya	51 686 000	49 980 000	*47 000 000	...	...
Nigeria	82 610 000	81 288 000	*79 800 000	...	...
Tunisia	3 422 500	3 882 404	3 138 000	3 233 453	...
Zaire	1 447 000	1 476 000	*1 012 000	...	...
Canada	39 300 009	42 470 114	47 756 211	51 982 676	60 013 946
Guatemala	124 683	215 885	200 727	185 592	...
Mexico	70 776 000	70 725 000	71 232 243	69 210 685	67 520 000
Netherlands Antilles	1 152 000	1 082 000	854 000	684 000	...
Trinidad & Tobago	3 984 862	3 158 817	2 760 088	2 788 688	*2 700 000
USA	310 185	261 426	155 596	359 108	33 455
Argentina	881 398	2 697 115	4 523 323	10 526 000	14 768 843
Colombia	9 109 615	9 504 567	9 691 614	9 141 459	15 921 100
Ecuador	8 300 000	9 500 000	10 100 000	9 900 000	...
Peru	51 000	42 000	—	—	1 400 000
Venezuela	72 316 000	74 800 000	80 600 000	...	...
Brunei	8 596 000	8 794 000	8 000 000	...	...
China	22 237 537	21 507 171	19 434 492	18 552 436	...
Indonesia	39 553 728	39 160 164	36 712 313	44 098 164	...
Iran (a)	*108 890 000	*105 843 000	*109 682 000	*102 413 000	...
Iraq	1 910 000	2 973 000	2 899 000	...	...
Kazakhstan	—	4 392 000	883 000	(a) *458 000	...
Kuwait	4 299 000	25 385 000	72 750 000	...	...
Malaysia	22 653 604	22 526 376	21 588 758	19 371 000	...
Oman	31 232 000	34 310 000	36 092 000	34 192 000	...
Pakistan (c)	429 494	455 286	409 902	299 283	...
Qatar	15 751 141	17 000 371	17 341 251	...	...
Saudi Arabia	309 829 937	317 156 009	313 661 000	10 325 449	...
Singapore	686	22 199	159	60 215	60 844
of which: Re-exports	498	432	83	60 207	60 844
Syria	8 516 000	9 257 000	*14 500 000	...	...
Turkmenistan (a)	—	*153 400	*206 800	*24 800	...
United Arab Emirates	95 430 000	89 418 000	*85 000 000	...	...

**Exports of Crude Petroleum**

tonnes

Country	1991	1992	1993	1994	1995
Australia	7 526 800	8 997 300	8 802 100	10 308 100	10 165 800
New Zealand (c)	921 251	966 523	859 876	1 103 798	...

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

(b) Re-exports

(c) Years ended 30 June of that stated

## Imports of Crude Petroleum

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	45 655 480	47 144 259	48 992 898	39 837 795	40 348 705
Austria	7 000 545	7 549 799	7 453 315	7 789 848	...
Belgium-Luxembourg	28 775 995	29 156 487	27 064 460	27 232 711	...
Denmark	4 864 862	4 957 042	5 006 197	4 986 799	5 236 573
Finland	9 925 143	8 869 699	8 217 932	9 837 000	...
France	73 392 448	71 115 870	75 202 249	75 359 934	...
Germany, Federal Republic of	90 119 452	98 062 296	99 997 742	107 578 872	100 362 915
Greece	9 824 216	13 214 823	12 687 000	13 375 000	...
Irish Republic	1 726 241	1 952 631	1 861 189	2 305 205	...
Italy	73 204 325	75 446 644	75 566 362	7 562 563	...
Netherlands	53 008 915	56 831 463	55 322 944	56 574 805	...
Portugal	9 473 000	11 174 000	11 321 572	13 436 000	...
Spain	50 921 769	56 697 055	50 565 416	53 567 000	...
Sweden	16 326 656	17 112 959	18 119 914	17 954 000	...
Azerbaijan	—	1 355 000	1 188 000	...	...
Bulgaria	4 430 000	2 215 000	2 273 000	...	...
Croatia	—	1 790 215	1 890 190	...	...
Czechoslovakia	11 383 000	7 049 000	—	—	—
Czech Republic	—	—	5 610 000	6 493 000	7 052 000
Hungary	8 490 000	4 165 051	6 207 092	5 821 385	...
Lithuania	—	3 381 400	5 160 700	906 700	3 014 500
Macedonia	—	...	933 301	...	...
Norway	1 664 901	1 120 755	1 332 434	1 054 754	1 406 524
Poland	11 647 000	11 926 000	13 674 000	12 720 000	...
Romania	8 633 736	6 571 662	7 580 718	8 122 294	8 125 599
Slovakia (d)	—	—	*2 212 000	...	...
Slovenia	—	1 646 153	1 997 591	410 871	...
Soviet Union	8 150 000	—	—	—	—
Switzerland	4 528 655	4 124 040	4 499 304	4 766 577	4 544 005
Turkey	17 528 000	19 185 000	21 970 000	...	...
Yugoslavia (f)	(c) 3 839 942	—	...	...	...
Ethiopia	228 059	...	...	...	...
Ghana	1 085 000	1 097 000	*1 015 000	...	...
Ivory Coast	2 250 000	2 264 000	*3 042 000	...	...
Kenya	2 059 000	2 069 000	*20 274 000	...	...
Liberia	378 000	382 000	...	...	...
Madagascar	339 807	332 791	...	...	...
Morocco	5 048 466	6 728 000	6 123 000	6 855 000	...
Senegal	505 804	541 482	...	...	...
Sierra Leone	58 732	...	...	...	...
Somalia	*80 000	*60 000	...	...	...
South Africa	17 500 000	18 000 000	...	...	8 915 695
Sudan	1 176 000	1 189 000	...	...	...
Tanzania	*700 000	*705 000	...	...	...
Tunisia	117 779	247 559	371 948	608 253	...
Zaire	110 000	105 000	*110 000	...	...
Zambia	537 304	*545 000	550 000	...	...
Bahamas	4 300 400	...	...	...	...
Barbados	198 000	210 000	123 829	113 420	194 400
Canada	28 117 457	26 804 328	30 064 238	33 056 827	36 366 949
Costa Rica	362 853	575 386	569 026	553 852	...
Cuba	4 399 000	4 478 000	4 452 000	...	...
Dominican Republic	2 009 000	1 909 000	1 915 000	...	...
El Salvador	490 699	627 801	938 165	658 134	...
Guatemala	672 019	787 551	694 897	788 478	...
Honduras	356 824	239 438	...	...	...
Jamaica	1 426 320	1 289 217	887 552	801 244	...
Martinique	627 319	868 875	684 297	772 200	...
Netherlands Antilles	17 485 000	9 841 000	11 523 000	9 439 000	...
Nicaragua	652 480	720 910	646 677	720 045	...
Panama	1 142 112	1 843 997	1 735 158	1 188 791	...
Trinidad & Tobago	1 570 244	1 026 574	2 345 857	1 500 000	1 800 000
USA	289 626 171	309 091 322	344 809 373	369 773 000	369 782 000

## Imports of Crude Petroleum

tonnes

Country	1991	1992	1993	1994	1995
Brazil	25 302 911	26 268 000	22 551 000	23 081 000	...
Chile	5 677 432	6 280 616	6 583 670	6 956 520	7 922 607
Paraguay	272 263	242 910	219 913	237 950	...
Peru	692 044	795 140	833 510	965 667	...
Uruguay	1 940 049	1 122 270	168 581	181 957	...
Bahrain	10 260 000	10 352 000	10 850 000	...	...
Bangladesh (a)	1 060 013	1 043 072	1 221 288	...	...
China	5 972 471	11 357 906	15 671 205	12 345 913	...
Cyprus	767 829	749 029	706 267	875 423	808 725
India (b)	23 994 000	29 380 002	30 822 000	27 349 052	...
Indonesia	7 336 844	6 830 446	6 957 757	...	...
Israel	7 952 000	10 579 000	12 092 000	11 200 000	...
Japan	211 531 290	221 866 404	226 544 346	240 110 138	...
Jordan	2 324 092	2 974 858	2 899 533	2 977 000	...
Kazakhstan	—	11 547 000	8 472 000	...	...
Korea, Dem. P.R. of (d)	*1 102 000	*1 129 000	*1 095 000	*833 000	...
Korea, Republic of	55 577 825	69 489 953	74 153 065	77 692 874	...
Lebanon	1 390 000	1 490 000	...	...	...
Malaysia	1 084 177	1 138 448	1 672 466	1 540 000	...
Pakistan	4 038 294	4 075 559	4 178 100	4 101 613	...
Philippines	6 433 527	7 062 115	1 544 340 661	1 598 811 414	...
Singapore	45 455 676	46 784 287	52 874 372	51 240 009	51 502 955
Sri Lanka	1 636 799	1 176 325	1 614 821	1 806 309	...
Taiwan	22 396 898	22 846 009	24 513 928	24 164 307	29 750 116
Thailand	10 718 398	13 286 300	16 283 062	17 241 502	...
Yemen, Republic of (e)	3 500 000	3 549 000	3 350 000	...	...
Australia	13 859 000	15 573 500	18 872 000	17 631 500	20 274 200
New Zealand (a)	3 315 764	3 195 895	3 214 826	3 682 547	...

(a) Years ended 30 June of that stated

(b) Years ended 31 March following that stated

(c) Data for the Federal Republic of Yugoslavia only

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

(e) Yemen Arab Republic and People's Dem. Rep. of Yemen were unified on 22 May 1990 as the Republic of Yemen

(f) As from 1992 data is for Serbia and Montenegro only

**Production of Phosphate Rock**

tonnes

Country	1991	1992	1993	1994	1995
Finland	472 459	570 528	627 570	656 645	671 200
Russia	—	13 974 000	10 380 900	7 922 000	8 775 000
Soviet Union	*29 994 000	—	—	—	—
Turkey	3 360	65 000	38 384	—	—
Algeria	1 090 000	1 143 000	730 400	738 300	757 200
Egypt (e)	377 333	359 024	267 298	268 020	...
Morocco	17 970 000	19 146 000	18 307 000	20 335 000	20 314 000
Senegal					
Phosphate rock	1 702 121	2 283 500	1 667 000	1 587 400	1 502 600
Aluminium phosphate (a)	55 190	92 700	*40 000	23 400	40 100
South Africa	3 180 100	3 080 300	2 465 800	2 545 200	2 790 000
Tanzania	2 419	4 948	2 219	—	...
Togo	2 964 642	2 083 000	1 794 300	2 149 200	2 569 000
Tunisia	6 352 000	6 335 284	5 499 900	5 698 500	7 241 000
Zimbabwe	116 938	142 322	153 471	150 560	133 900
Mexico	596 392	451 659	501 254	546 857	620 259
Netherlands Antilles (b)	9 522	40 112	28 782	22 972	...
USA	48 096 000	46 965 000	35 494 000	41 047 000	43 400 000
Brazil (d)	3 300 000	2 900 000	3 400 000	3 900 000	3 300 000
Chile					
Phosphate rock	13 338	17 546	14 560	9 975	12 164
Guano	1 308	139	—	—	—
Colombia	31 516	32 041	44 960	48 107	*48 000
Peru	18 239	*20 000	37 381	75 189	*80 000
Venezuela	131 000	20 936	...	57 000	85 510
China	23 660 000	25 870 000	21 158 700	26 890 000	*26 800 000
Christmas Island (b) (c) (e)	63 609	196 803	263 946	296 709	...
India	562 771	487 800	969 400	1 236 600	1 300 000
Indonesia	6 384	*8 000	*7 000	*7 000	...
Iraq	*400 000	*600 000	*800 000	*1 000 000	*1 000 000
Israel	2 267 000	2 372 000	2 662 000	2 779 000	2 642 000
Jordan	4 460 800	5 230 000	4 215 000	4 216 600	4 983 900
Kazakhstan	—	6 680 000	4 100 000	2 080 000	2 220 000
Korea, Dem. P.R. of	*500 000	*500 000	*500 000	*500 000	*500 000
Pakistan	18 985	19 828	13 822	*15 000	*6 000
Philippines					
Phosphate rock	20 633	4 830	91 800	*20 000	...
Guano	11 689	465	5 258	*5 000	...
Sri Lanka	19 693	24 616	28 795	29 529	*30 000
Syria	1 359 000	1 266 000	931 000	1 203 000	1 551 000
Thailand	5 936	7 981	10 764	7 739	...
Vietnam	275 000	290 000	362 500	469 800	470 000
Australia	3 000	2 000	1 700	21 000	4 600
Nauru (b) (e)	166 689	232 569	397 902	187 768	178 415
<b>World total</b>	<b>150 000 000</b>	<b>144 000 000</b>	<b>118 000 000</b>	<b>129 000 000</b>	<b>135 000 000</b>

(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	1991	1992	1993	1994	1995
United Kingdom	894	1 642	956	4 857	7 398
Belgium-Luxembourg	15 241	22 200	2 613	18 811	...
Denmark	3 091	118	176	169	281
Finland	—	—	3 946	...	...
France	1 511	1 085	2 650	2 270	...
Germany, Federal Republic of	9 517	664	1 938	3 336	325
Netherlands	159 236	186 836	169 574	162 031	...
Sweden	1 659	49	49	516	...
Russia	701 607	658 425	1 023 437	(b) *1 011 300	...
Ukraine (b)	—	...	*100	*94 700	...
Yugoslavia (d)	...	...	...	*7 000	...
Algeria	1 043 611	677 521	449 300	574 600	670 700
Egypt	164 000	179 900	134 400	113 800	48 000
Morocco	9 143 199	9 132 000	8 398 400	9 526 800	9 420 400
Senegal	928 731	1 261 120	948 500	...	858 900
South Africa	1 165 500	1 344 400	1 196 900	1 273 000	1 408 300
Togo	3 074 395	2 085 500	1 567 400	2 233 800	2 652 100
Tunisia	421 285	925 522	1 122 000	1 308 100	1 326 700
Netherlands Antilles	9 522	40 112	28 782	22 972	...
USA	5 749 000	3 977 000	3 575 000	3 310 000	2 880 000
China	533 866	455 583	641 486	742 872	957 600
Christmas Island (a) (c)	196 803	263 946	296 709	260 200	388 000
Israel	1 635 000	1 723 000	*1 900 000	*2 300 000	1 963 800
Jordan	4 245 700	4 263 880	3 564 950	3 825 000	3 878 500
Kazakhstan	—	5 129	1 872	...	...
Malaysia	937	2 746	2 544	1 410	...
Singapore	595	1 462	843	166	5 029
of which: Re-exports	541	1 186	826	128	5 029
Syria	1 246 000	1 239 512	865 000	1 072 000	1 447 000
Nauru (b) (e)	166 689	232 569	397 902	187 768	178 415

(a) Including phosphate dust

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

(c) Years ended 30 June of that stated

(d) As from 1992 data is for Serbia and Montenegro only

## Imports of Phosphate Rock

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	340 846	224 075	42 187	74 785	52 242
Austria	296 957	283 537	240 883	224 906	161 600
Belgium-Luxembourg	2 162 072	2 068 791	1 555 443	1 609 008	1 530 600
Denmark	*110 000	*120 000	167 400	66 200	139 400
Finland	54 000	*80 000	*60 000	57 043	91 300
France	3 084 720	2 231 780	1 455 594	1 559 872	1 589 700
Germany, Federal Republic of	704 070	551 286	425 712	301 796	288 878
Greece	663 077	418 767	260 532	287 805	*380 000
Irish Republic	4 262	11 204	2 941	7 794	7 632
Italy	587 416	530 071	224 524	255 300	263 500
Netherlands	2 028 363	1 875 209	1 781 633	1 563 220	*1 600 000
Portugal	160 412	123 192	98 482	148 010	*148 000
Spain	1 998 050	1 739 836	1 340 545	191 008	1 759 100
Sweden	379 254	121 390	61 001	103 792	75 500
Albania	24 200	...	...	...	5 800
Bulgaria	181 400	166 300	245 700	290 600	271 500
Croatia	—	292 935	240 482	...	...
Czechoslovakia (a)	31 000	10 600	—	—	—
Hungary	58 000	*10 000	2 698	30 923	49 500
Norway	697 599	591 895	687 926	625 090	605 079
Poland	625 000	1 115 000	1 013 900	1 501 500	1 849 000
Romania	224 409	938 649	989 684	830 765	726 691
Slovenia	—	35 633	42 281	17 160	...
Turkey	743 785	706 107	736 475	615 573	620 663
Yugoslavia (e)	(d) 512 717	293 920	356 000	...	...
Ivory Coast	...	2 500	1 200	...	1 000
South Africa	262 000	318 677	319 951	625 010	300 803
Canada	1 078 689	1 169 026	1 207 346	1 168 324	1 182 871
Cuba	12 700	5 000	5 000	5 000	...
Mexico	1 630 230	589 869	544 946	1 177 706	1 441 500
USA	552 119	1 530 140	532 453	631 196	710 825
Brazil	212 533	304 811	396 887	562 953	549 400
Chile	34 357	21 400	25 339	36 827	53 794
Colombia	56 668	81 430	72 859	56 873	57 400
Uruguay	42 141	36 750	12 175	36 707	29 100
Venezuela	76 510	69 334	49 775	58 951	91 400
Bangladesh (b)	110 800	90 100	88 400	162 600	139 900
China	354 545	128 695	112 300	137 597	...
India (c)	2 428 436	2 230 859	1 922 739	2 540 138	*2 603 700
Indonesia	1 585 622	793 044	133 344	489 150	987 300
Iran (f)	264 575	197 245	195 451	229 000	*367 400
Japan	1 455 907	1 453 204	1 395 178	1 194 059	1 067 900
Korea, Dem. P.R. of	21 000	—	59 600	40 900	...
Korea, Republic of	1 309 706	1 671 025	1 646 266	1 681 299	1 687 300
Lebanon	158 600	215 000	230 000	267 000	361 000
Malaysia	412 020	433 160	351 032	465 538	...
Pakistan (b)	249 011	251 358	274 375	280 927	*278 900
Philippines	929 045	608 026	418 611	519 135	*766 800
Saudi Arabia	2 433	5 052	4 012	3 435	...
Sri Lanka	5 003	2 208	0	1 000	...
Taiwan	348 656	380 483	325 253	352 998	373 927
Australia	394 000	845 000	680 000	955 000	1 028 000
New Zealand (b)	543 688	679 842	814 004	891 331	*699 600

(a) P<sub>2</sub>O<sub>5</sub> content

(b) Years ended 30 June of that stated

(c) Years ended 31 March following that stated

(d) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

(f) Years ended 20 March following that stated

## Mine Production of Platinum Group Metals

kilograms (metal content)

Country	1991	1992	1993	1994	1995
Finland					
Platinum (a)	59	54	51	37	*50
Palladium (a)	101	107	121	*96	*100
Russia					
Platinum	—	*28 000	*20 000	*15 000	*18 000
Palladium	—	*70 000	*50 000	*40 000	*48 000
Other platinum metals	—	*6 000	*4 000	*3 000	*3 600
Soviet Union					
Platinum	*30 000	—	—	—	—
Palladium	*91 500	—	—	—	—
Yugoslavia (b)					
Platinum (a)	(c) 22	19	10	*10	*10
Palladium (a)	(c) 155	130	72	50	*50
South Africa (a)	142 861	152 891	176 167	183 925	184 377
Zimbabwe					
Platinum	19	9	4	7	*10
Palladium	30	19	11	17	*20
Canada					
Platinum	4 683	4 800	5 000	5 700	6 400
Palladium	6 439	5 800	6 000	6 700	7 500
Other platinum metals	586	1 307	1 440	1 910	2 000
USA					
Platinum	*1 730	*1 840	*2 050	*1 960	*1 590
Palladium	*6 050	*6 470	*6 780	*6 440	*5 260
Colombia	1 603	1 956	1 722	1 084	973
Japan					
Platinum (a)	988	629	661	691	*580
Palladium (a)	1 053	986	1 183	1 280	*2 000
Australia					
Platinum	*100	*150	*80	*110	*70
Palladium	*400	*550	*400	*450	*530
World total	288 000	282 000	276 000	268 000	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) As from 1992 data is for Serbia and Montenegro only

(c) Excluding data from August to December for the Republic of Croatia

## Exports of Platinum Group Metals

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom					
Platinum	50 722	33 655	28 188	21 847	27 217
Palladium	39 113	26 748	28 216	29 631	27 642
Other platinum metals	5 564	6 058	4 679	4 448	5 618
Waste & scrap	1 452	7 062	5 203	2 538	4 455
Austria					
Platinum & platinum metals	1 058	1 248	811	1 100	...
Belgium-Luxembourg					
Platinum	4 107	6 032	4 115	5 903	...
Platinum metals	15 645	14 503	23 897	16 182	...
Waste & scrap	£5 486 000	£14 159 000	£14 190 000	£7 539 000	...
Denmark					
Platinum & platinum metals	244	106	124	183	11
Waste & scrap	178	182	11	10	14
France					
Platinum	5 340	4 609	4 309	5 677	...
Platinum metals	4 863	5 150	5 881	7 182	...
Waste & scrap	96 621	6 371	3 255	16 700	...
Germany, Federal Republic of					
Platinum	14 003	15 278	14 874	13 814	18 227
Palladium	12 193	11 287	16 145	16 977	18 189
Other platinum metals	2 098	2 843	2 259	2 887	3 854
Waste & scrap	120 506	88 977	38 117	314 153	132 032
Italy					
Platinum	6 346	1 890	2 141	2 481	...
Platinum metals	43 565	24 697	1 182	1 142	...
Netherlands					
Platinum	1 998	3 313	2 446	2 739	...
Platinum metals	310	361	631	761	...
Waste & scrap	54 000	2 000	20 000	2 000	...
Portugal					
Platinum & platinum metals	...	...	237	...	...
Spain					
Platinum & platinum metals	715	10 760	2 099	1 233	...
Sweden					
Platinum & platinum metals	£952 000	£510 000	£555 000	£848 000	...
Czechoslovakia					
Waste & scrap (a)	*4 000	*2 100	—	—	—
Czech Republic					
Waste & scrap (a)	—	—	*900	*4 500	*3 900
Estonia					
Waste & scrap (a)	—	...	*100	*1 100	*4 500
Lithuania					
Waste & scrap (a)	—	...	*700	*6 500	*35 300
Norway					
Platinum & platinum metals	3 509	4 251	3 909	5 682	7 931
Russia					
Platinum & platinum metals (a)	—	*63 200	*117 800	*127 100	...
Waste & scrap (a)	—	*100	*6 700	*600	...
Soviet Union					
Platinum & platinum metals (a)	*134 100	—	—	—	—
Switzerland					
Platinum & platinum metals	56 764	62 183	77 121	71 808	60 998
Waste & scrap	9 021	9 684	5 443	6 318	2 649
Ukraine					
Waste & scrap (a)	—	...	...	*550	*700
South Africa					
Platinum & platinum metals (d)	141 120	137 063	153 711	161 694	173 271
Waste & scrap (a)	*21 300	*500	*900	*1 300	...
Canada					
Ores & concentrates (b)	7 921	9 793	10 157	7 325	10 320
Platinum metals	6 353	7 245	7 503	6 604	5 249

## Exports of Platinum Group Metals

kilograms

Country	1991	1992	1993	1994	1995
USA					
Ores & concentrates (b)	863	488	98	202	598
Platinum	14 275	14 205	*18 100	*17 500	*21 900
of which: Re-exports	1 574	2 325	*2 000	*2 000	*2 000
Palladium	13 894	17 799	*26 300	*30 000	*26 100
of which: Re-exports	259	72	*100	*100	*100
Other platinum metals	1 068	1 473	*1 600	*1 100	*1 000
of which: Re-exports	161	208	*200	*200	*200
Waste & scrap	11 427	27 628	34 625	42 074	8 153
China					
Platinum & platinum metals	160	83	407	2 463	...
Hong Kong					
Platinum & platinum metals (c)	2 071	1 572	1 808	1 439	1 071
Israel					
Platinum & platinum metals	£418 000	£426 000	£308 000	£90 000	...
Japan					
Platinum	3 363	5 518	3 800	4 539	...
Platinum metals	2 554	4 192	4 189	7 399	...
Korea, Republic of					
Waste & scrap	13 999	197	2 960	—	...
Malaysia					
Waste & scrap	10 250	16 690	96 000	...	...
Singapore					
Platinum & platinum metals (c)	51	60	169	715	231
Taiwan					
Platinum & platinum metals	9 315	9 125	4 094	6 842	4 633
Australia					
Platinum & platinum metals (e)	44 169	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

## Imports of Platinum Group Metals

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	42 283	55 434	43 037	32 324	68 325
Platinum	39 357	37 335	22 847	19 599	19 160
Palladium	21 782	13 600	14 974	28 263	25 562
Other platinum metals	5 039	4 616	5 966	4 189	4 036
Waste & scrap	253 915	62 771	33 780	72 612	110 117
Austria					
Platinum & platinum metals	3 041	4 129	2 959	3 918	...
Belgium-Luxembourg					
Platinum	1 375	1 347	1 252	1 430	...
Platinum metals	4 731	921	1 951	597	...
Waste & scrap	£11 764 000	£2 877 000	£748 000	£686 000	...
Denmark					
Platinum & platinum metals	603	622	561	567	658
Finland					
Platinum & platinum metals	124	107	111	...	...
France					
Platinum	8 393	7 494	5 561	9 677	...
Platinum metals	7 299	7 486	6 866	7 671	...
Waste & scrap	2 209	4 305	1 338	4 400	...
Germany, Federal Republic of					
Platinum	19 245	19 579	13 844	19 185	23 481
Palladium	26 578	31 023	20 915	25 056	27 146
Other platinum metals	2 699	3 614	3 061	3 842	5 576
Waste & scrap	46 443	15 707	11 504	32 439	85 132
Greece					
Platinum & platinum metals	248	360	2 000	...	...
Irish Republic					
Platinum & platinum metals	560	249	31 148	38 538	113 996
Italy					
Platinum	10 499	7 134	6 628	5 063	...
Platinum metals	5 249	6 485	37 665	19 808	...
Waste & scrap	4 000	5 100	4 500	2 600	...
Netherlands					
Platinum	945	1 119	867	497	...
Platinum metals	2 304	11 564	3 863	2 496	...
Waste & scrap	...	...	1 000	0	...
Portugal					
Platinum & platinum metals	...	...	200	...	...
Spain					
Platinum & platinum metals	1 611	2 216	1 754	2 190	...
Waste & scrap	1 000	1 000	5 000	—	...
Sweden					
Platinum & platinum metals	3 000	3 000	1 000	1 000	...
Bulgaria					
Platinum & platinum metals (e)	*200	*50	*100	*50	...
Croatia					
Platinum & platinum metals	—	£109 000	£190 000	...	...
Czechoslovakia					
Platinum & platinum metals (e)	*600	*600	—	—	—
Czech Republic					
Platinum & platinum metals (e)	—	—	*400	...	...
Hungary					
Platinum & platinum metals	(e) *300	*500	*150	*50	...
Norway					
Platinum & platinum metals	942	1 052	1 756	918	388
Romania					
Platinum & platinum metals	8 578	...	12 613	20 335	30 606
Switzerland					
Platinum & platinum metals	71 075	35 400	66 353	76 655	55 911
Waste & scrap	4 252	686	8 101	5 575	14 651
Turkey					
Platinum & platinum metals	7 000	5 755	5 034	1 607	5 666
Ukraine					
Platinum & platinum metals (e)	—	...	*100	*500	...
Yugoslavia (f)					
Platinum & platinum metals	(d) £56 000	£58 000	...	...	...

## Imports of Platinum Group Metals

kilograms

Country	1991	1992	1993	1994	1995
South Africa					
Platinum & platinum metals	714	739	7 154	9 941	85 545
Waste & scrap	9 241	271 410	324 059	95 732	17 251 839
Canada					
Platinum & platinum metals (c)	5 350	7 322	6 991	11 271	11 388
USA					
Platinum	50 200	55 009	55 883	54 344	69 400
Platinum metals					
Palladium	60 239	61 210	79 161	92 535	124 000
Rhodium	6 553	7 785	7 171	7 821	9 600
Other	3 170	4 003	5 512	10 858	9 039
Waste & scrap	4 019	5 090	4 219	3 220	6 353
Brazil					
Platinum	560	370	408	622	...
Palladium	740	639	1 210	804	...
Venezuela					
Platinum & platinum metals	1 094	1 241	991	...	...
China					
Platinum & platinum metals	9 406	1 432	945	950	...
Cyprus					
Platinum & platinum metals	100	94	75	73	91
Hong Kong					
Platinum & platinum metals	5 047	5 798	5 878	8 313	11 324
India (a)					
Platinum & platinum metals	126	101	251	221	...
Indonesia					
Platinum & platinum metals	1 163	16	21 279	6 333	...
Israel					
Platinum & platinum metals	£625 000	£807 000	£1 472 000	£1 808 000	...
Japan					
Platinum	71 162	58 023	65 927	74 762	...
Platinum metals	72 175	68 372	77 058	85 937	...
Waste & scrap	24 775	2 786	93 473	2 890	...
Korea, Republic of					
Platinum & platinum metals	2 709	3 957	4 316	5 638	...
Malaysia					
Platinum & platinum metals	3 435	9 341	12 071	...	...
Singapore					
Platinum & platinum metals	3 747	13 556	13 117	17 924	23 466
Taiwan					
Platinum & platinum metals	2 254	3 046	3 741	6 563	15 378
Thailand					
Platinum & platinum metals	27 222	122 442	76 915	101 926	...
Australia					
Platinum metals (b)	4 821	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) Data for the Federal Republic of Yugoslavia only

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

(f) As from 1992 data is for Serbia and Montenegro only

## Potash

## Production of Potash

tonnes (K<sub>2</sub>O content)

Country	1991	1992	1993	1994	1995
United Kingdom					
Chloride	494 000	529 900	555 000	580 000	582 000
France					
Potassic salts	1 217 000	1 141 000	890 000	870 000	802 000
Germany, Federal Republic of					
Potassic salts	3 708 000	3 758 000	2 860 000	3 286 000	3 278 000
Italy					
Potassic salts	31 000	86 000	—	—	—
Spain					
Potassic salts	585 200	593 600	660 900	683 700	650 000
Azerbaijan	—	*62 000	*10 000	*10 000	*10 000
Belarus	—	3 311 400	1 947 000	2 515 000	2 789 000
Russia	—	3 454 200	2 597 000	2 479 000	2 814 000
Soviet Union	8 509 600	—	—	—	—
Ukraine	—	98 000	88 000	77 700	55 100
Canada					
Chloride	7 405 575	7 269 583	6 836 000	8 182 000	8 932 000
USA					
Potassic salts	1 749 000	1 705 000	1 506 000	1 400 000	1 480 000
Brazil					
Chloride	100 667	85 035	167 589	234 265	215 411
Chile					
Chloride	*33 000	*33 400	*34 500	*47 300	*48 000
Nitrate	*41 000	*46 300	*46 000	*46 000	*48 000
China	98 000	153 000	117 200	327 200	*350 000
Israel					
Chloride	1 320 000	1 296 300	1 309 000	1 259 300	1 326 000
Jordan	818 000	794 152	822 100	930 200	1 068 000
World total	26 100 000	24 400 000	20 400 000	22 900 000	24 400 000



## Exports of Potash

Country	1991	1992	1993	1994	1995
United Kingdom					
Chloride	529 875	603 716	...	...	...
Other potassic fertilisers	740	2 102	722	427	594
Potassic chemicals	7 323	14 385	3 585	4 901	8 188
Belgium-Luxembourg					
Fertiliser salts	743	*210	*200	*0	...
Sulphate (b)	*284 500	*333 700	*326 400	...	...
Chloride	174 627	144 854	*164 600	*253 000	...
Other potassic fertilisers	12 610	11 780	*29 000	*4 000	...
Potassic chemicals	206	3 848	24 465	...	...
Finland					
Sulphate (b)	*33 700	*41 200	*32 800	...	...
France					
Sulphate	1 792	13 166	1 321	1 059	...
Chloride	239 739	187 142	336 839	323 202	...
Other potassic fertilisers	1 844	2 470	165	223	...
Potassic chemicals	31 807	31 809	44 541	39 389	...
Germany, Federal Republic of					
Fertiliser salts	85 355	47 919	104 673	36 336	39 917
Potassic fertilisers	4 845 376	4 535 160	3 760 739	2 816 908	2 471 854
Potassic chemicals	36 799	33 584	31 351	56 000	68 625
Italy					
Sulphate	7 851	119 366	27 222	49	...
Other potassic fertilisers	721	337	3 695	3 234	...
Potassic chemicals	7 175	8 438	12 428	12 686	...
Netherlands					
Sulphate (a)	1 610	687	1 754	1 125	...
Chloride (a)	49 099	59 754	70 364	64 812	...
Potassic chemicals	6 846	6 765	10 021	8 436	...
Portugal					
Potassic fertilisers	1 104	...	156	...	...
Spain					
Sulphate	24 750	51 665	29 111	47 313	...
Chloride	457 416	491 278	734 273	582 009	...
Potassic chemicals	6 802	1 646	1 778	4 234	...
Sweden					
Sulphate	98 650	83 109	102 563	125 054	...
Belarus					
Chloride (b)	—	*315 700	*521 600	*210 300	...
Potassic fertilisers (b)	—	*151 200	...	*563 800	...
Czechoslovakia					
Potassic chemicals (b)	*1 600	*6 400	—	—	—
Czech Republic					
Potassic chemicals (b)	—	—	*3 100	1 211	...
Latvia					
Fertiliser salts (b) (c)	—	...	...	*32 100	...
Chloride (b) (c)	—	*120 700	*198 300	*460 800	...
Other potassic fertilisers (b) (c)	—	...	...	*124 400	...
Potassic chemicals (b) (c)	—	...	...	*26 100	...
Lithuania					
Potassic fertilisers (b)	—	*16 700	...	*30 300	...
Moldova					
Chloride (b)	—	...	...	*3 800	...
Norway					
Potassic chemicals	2 370	9 005	7 675	12 758	36 250
Poland					
Potassic chemicals	2 957	(b) *1 700	(b) *2 200	(b) *2 700	...
Romania					
Potassic chemicals	50 382	110 846	67 648	183 335	150 830
Russia					
Chloride	...	4 083 000	2 725 000	(b) *1 852 000	...
Other potassic fertilisers	(g) 4 573 000	40 000	5 000	(b) *515 700	...
Switzerland					
Potassic chemicals	1 693	1 013	936	343	1 330
Ukraine					
Chloride (b)	—	*27 000	*154 000	*126 000	...
Other potassic fertilisers (b)	—	...	*108 000	*121 000	...

## Exports of Potash

tonnes

Country	1991	1992	1993	1994	1995
Yugoslavia (d)					
Potassic chemicals	(e) 1 728	921	...	...	...
Canada					
Chloride	10 557 861	10 199 772	10 146 972	12 960 816	13 795 493
Other potassic fertilisers	70 401	49 531	24 124	35 236	7 681
Potassic chemicals	25 981	8 635	14 773	39 114	8 555
USA					
Sulphate	509 700	602 443	556 035	563 000	629 000
Chloride	730 600	708 474	361 193	419 000	297 000
Potassic chemicals	106 770	116 214	87 093	80 044	106 251
Chile					
Fertiliser salts	133 043	136 050	132 304	169 931	147 294
Potassic chemicals	129 702	135 343	154 227	181 795	206 260
China					
Potassic chemicals	(b) *5 800	7 085	16 324	10 342	...
Hong Kong					
Potassic chemicals (c)	2 875	1 037	1 419	1 584	1 725
Israel					
Chloride (b)	*1 265 100	*1 362 200	*1 399 000	*1 363 600	...
Other potassic fertilisers	(b) *126 700	114 204	24 232	(b) *37 600	...
Potassic chemicals (b)	*193 900	*206 900	*165 300	*106 900	...
Japan					
Potassic fertilisers	1 022	994	1 324	1 407	...
Potassic chemicals	17 299	17 515	15 474	12 694	...
Jordan					
Fertiliser salts	1 412 000	1 235 196	1 476 667	...	...
Korea, Republic of					
Sulphate	30 517	28 312	...	46 851	...
Potassic chemicals	20 658	20 473	22 492	31 543	...
Singapore					
Sulphate	10 798	11 655	8 342	6 191	2 074
of which: Re-exports	10 778	11 655	8 342	6 191	2 074
Chloride	58 966	79 615	60 719	58 888	39 327
of which: Re-exports	58 671	79 329	60 695	57 874	39 327
Other potassic fertilisers	4 868	1 152	2 512	7 147	989
of which: Re-exports	1 726	...	2 033	7 136	989
Taiwan					
Potassic fertilisers	71 744	93 037	59 457	108 419	75 781
Potassic chemicals	3 949	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) K<sub>2</sub>O content
- (b) BGS estimates, based on known imports into certain countries
- (c) Re-exports
- (d) As from 1992 data is for Serbia and Montenegro only
- (e) Data for the Federal Republic of Yugoslavia only
- (f) Including fertiliser salts
- (g) Including chloride

## Imports of Potash

Country	1991	1992	1993	1994	1995
<b>United Kingdom</b>					
Fertiliser salts	16 413	12 080	18 464	22 450	24 393
Chloride	...	396 762	332 807	461 710	437 091
Other potassic fertilisers	44 848	25 921	7 267	10 415	6 033
Potassic chemicals	38 896	41 756	36 097	34 206	37 833
<b>Austria</b>					
Fertiliser salts	13 959	11 449	3 017	13 324	...
Sulphate	15 980	13 219	14 353	9 055	...
Chloride	166 429	162 716	161 606	181 328	...
Other potassic fertilisers	5 238	3 396	4 761	5 369	...
Potassic chemicals	7 066	7 148	6 858	7 737	...
<b>Belgium-Luxembourg</b>					
Fertiliser salts	29 455	*36 000	*28 500	*25 200	...
Sulphate	109 280	80 570	*118 000	*114 000	...
Chloride	1 292 291	1 187 209	*1 857 000	*412 000	...
Other potassic fertilisers	25 069	33 158	*2 000	*5 400	...
Potassic chemicals	19 165	27 833	56 324	58 753	...
<b>Denmark</b>					
Sulphate	17 497	25 869	22 165	24 953	23 938
Chloride	190 538	205 503	223 001	251 523	244 743
Other potassic fertilisers	9 752	9 783	7 869	6 733	10 588
Potassic chemicals	8 432	12 463	12 274	9 887	17 289
<b>Finland</b>					
Chloride (c)	*255 700	*257 000	*278 400	*161 800	*184 000
Other potassic fertilisers	215	2 593	1 962	...	...
Potassic chemicals	5 502	5 300	6 387	...	...
<b>France</b>					
Fertiliser salts	79 037	45 832	241	9 514	...
Sulphate	125 542	102 504	97 702	86 436	...
Chloride	1 274 356	1 131 359	889 439	1 296 250	...
Other potassic fertilisers	25 145	25 475	24 138	31 344	...
Potassic chemicals	35 076	31 084	36 801	40 394	...
<b>Germany, Federal Republic of</b>					
Chloride	86 939	105 833	136 681	51 186	54 634
Potassic chemicals	43 416	49 146	27 759	34 501	38 379
<b>Greece</b>					
Sulphate	161 107	100 591	48 350	107 165	...
Chloride	44 751	12 528	20 354	...	...
Potassic chemicals	19 205	13 085	974	...	...
<b>Irish Republic</b>					
Sulphate	1 165	90	5 975	5 517	5 634
Chloride	221 953	215 244	243 336	233 221	225 024
Other potassic fertilisers	233	2 723	3 016	21 692	—
<b>Italy</b>					
Fertiliser salts	504	817	212	3	...
Sulphate	114 158	85 219	99 844	124 782	...
Chloride	566 542	554 009	551 121	493 798	...
Other potassic fertilisers	33 555	31 383	18 911	24 542	...
Potassic chemicals	32 633	40 614	40 803	12 128	...
<b>Netherlands</b>					
Fertiliser salts (a)	374	249	284	—	...
Sulphate (a)	35 016	28 618	18 820	17 227	...
Chloride (a)	262 473	246 544	208 624	299 537	...
Other potassic fertilisers (a)	12 382	10 782	6 516	12 737	...
Potassic chemicals	51 172	30 531	42 203	63 484	...
<b>Portugal</b>					
Sulphate	3 053	1 397	...	...	...
Chloride	69 660	55 758	...	...	...
Potassic chemicals	4 684	4 207	4 639	...	...
<b>Spain</b>					
Sulphate	11 113	4 055	7 260	6 254	...
Chloride	53 119	209 079	71 233	111 092	...
Other potassic fertilisers	12 519	4 278	30 548	385	...
Potassic chemicals	61 572	68 756	81 121	86 059	...

## Potash

## Imports of Potash

tonnes

Country	1991	1992	1993	1994	1995
<b>Sweden</b>					
Fertiliser salts	1 050	3 037	2 705	4 029	...
Sulphate	55 796	9 980	6 428	10 269	...
Chloride	161 749	138 757	137 468	250 792	...
Other potassic fertilisers	2 487	3 834	3 149	2 743	...
Potassic chemicals	3 906	5 292	4 060	5 355	...
<b>Bulgaria</b>					
Fertiliser salts (a)	...	...	3 000	3 000	12 000
<b>Croatia</b>					
Chloride	—	185 230	145 890	...	...
Other potassic fertilisers	—	7 765	3 550	...	...
<b>Czechoslovakia</b>					
Potassic fertilisers (a)	95 000	113 600	—	—	—
<b>Hungary</b>					
Potassic fertilisers	...	21 017	77 041	95 227	...
Potassic chemicals	...	2 485	1 520	1 746	...
<b>Iceland</b>					
Sulphate	120	1 824	1 019	...	...
Chloride	5 953	8 163	5 445	...	...
<b>Norway</b>					
Sulphate	166 147	156 709	130 881	159 036	177 640
Chloride	303 395	282 898	381 300	361 047	359 922
Other potassic fertilisers	1 015	480	447	458	367
Potassic chemicals	2 310	2 190	2 752	4 860	4 543
<b>Poland</b>					
Chloride	6 569	...	...	...	...
Other potassic fertilisers	136 000	(h) 197 848	(c) (h) *168 000	663 290	...
Potassic chemicals	2 931	...	...	...	...
<b>Romania</b>					
Fertiliser salts (a)	25 600	36 800	60 000	55 300	56 000
<b>Slovakia</b>					
Potassic fertilisers	—	—	34 274	...	...
<b>Switzerland</b>					
Sulphate	6 296	4 759	3 795	2 800	2 937
Chloride	51 220	35 733	35 448	31 400	25 821
Other potassic fertilisers	4 904	3 056	3 820	5 191	4 578
Potassic chemicals	14 206	14 855	15 295	16 192	15 045
<b>Turkey</b>					
Sulphate	17 803	24 537	29 624	26 966	11 336
Other potassic fertilisers	76 325	88 242	131 910	128 697	136 492
Potassic chemicals	7 997	11 851	13 671	9 205	19 900
<b>Yugoslavia (g)</b>					
Sulphate	(f) 2 937	3 618	...	...	...
Chloride	(f) 182 099	136 350	...	...	...
Potassic chemicals	(f) 1 097	880	...	...	...
<b>Cameroon</b>					
Potassic fertilisers	*13 000	*4 600	*2 300	...	...
<b>Egypt</b>					
Potassic fertilisers (a)	38 400	1 700	36 800	7 100	8 800
<b>Kenya</b>					
Potassic fertilisers (a)	1 700	1 400	100	700	—
<b>Madagascar</b>					
Potassic fertilisers	2 395	2 905	...	...	...
<b>Mauritius</b>					
Potassic fertilisers	25 061	27 833	...	...	...
<b>Morocco</b>					
Sulphate	42 211	26 632	(h) 35 978	...	...
Chloride	21 314	60 689	...	...	...
Potassic chemicals	1 946	394	...	...	...
<b>Nigeria</b>					
Potassic fertilisers (a)	65 500	41 800	23 100	18 400	—
<b>Reunion</b>					
Potassic fertilisers (a)	100	1 600	2 270	3 523	...
<b>Senegal</b>					
Potassic fertilisers (a)	12 600	20 100	17 200	10 500	18 000

## Imports of Potash

Country	1991	1992	1993	1994	1995
South Africa					
Sulphate	26 344	22 016	12 187	11 667	31 997
Chloride	196 894	215 929	282 844	254 847	202 073
Potassic chemicals	22 565	29 990	33 817	29 413	39 466
Tunisia					
Potassic fertilisers	19 587	9 459	9 569	11 579	...
Potassic chemicals	709	762	...	1 160	...
Zimbabwe					
Sulphate	27 935	16 444	...	...	...
Chloride	61 607	22 187	...	...	...
Belize					
Potassic fertilisers	685	3 423	3 531	4 659	3 052
Canada					
Sulphate	65 360	84 325	107 434	69 789	61 825
Chloride	7 737	8 844	4 576	4 950	5 651
Other potassic fertilisers	4 644	3 780	1 537	1 216	1 452
Potassic chemicals	18 604	17 675	17 646	18 674	23 937
Costa Rica					
Potassic fertilisers	82 372	98 352	86 360	98 238	...
Cuba					
Chloride	*100 000	*60 000	*50 000	*65 000	...
Dominican Republic					
Potassic fertilisers	23 800	29 900	10 100	26 000	18 600
El Salvador					
Potassic fertilisers	3 043	...	7 675	5 610	*8 000
Guatemala					
Potassic fertilisers	40 307	21 723	37 723	46 549	31 600
Honduras					
Potassic fertilisers	39 549	22 229	38 873	28 442	...
Jamaica					
Potassic fertilisers	404	2 738	341	...	...
Martinique					
Potassic fertilisers	13 765	19 260	5 302	15 153	...
Mexico					
Sulphate	30 006	42 836	36 037	31 211	...
Chloride	69 140	58 468	171 262	128 842	(e) *120 000
Potassic chemicals	13 143	11 823	6 193	4 373	...
Nicaragua					
Potassic fertilisers	3 480	8 139	...	3 847	3 300
Panama					
Potassic fertilisers	7 159	12 056	12 136	29 132	...
USA					
Fertiliser salts	532	568	6 827	4 468	4 261
Sulphate	59 239	67 746	87 328	86 690	51 777
Chloride	6 904 942	6 862 406	7 058 085	7 816 446	7 912 440
Other potassic fertilisers	210 320	180 224	46 016	69 058	30 065
Potassic chemicals	64 584	66 189	79 187	70 851	246 897
Argentina					
Sulphate	10 122	6 520	9 126	1 885	...
Chloride	15 620	17 635	18 929	21 723	(e) *38 000
Potassic chemicals	...	14 133	11 539	9 589	...
Brazil					
Sulphate	45 120	57 678	46 548	39 889	...
Chloride	2 037 045	2 117 161	2 516 340	2 748 461	(e) *2 450 000
Potassic chemicals	14 063	24 456	23 475	20 685	...
Chile					
Sulphate	18 664	13 444	11 711	9 318	6 953
Chloride	142 163	38 184	42 205	46 450	59 383
Other potassic fertilisers	10 451	6 228	9 563	13 417	25 169
Colombia					
Sulphate	10 139	12 404	14 136	7 230	...
Chloride	247 197	281 008	217 679	298 059	(e) *230 000
Potassic chemicals	895	1 668	1 549	868	...

## Imports of Potash

tonnes

Country	1991	1992	1993	1994	1995
Ecuador					
Fertiliser salts	4 209	4 168	12 000	...	...
Chloride	40 209	10 231	25 829	...	...
Other potassic fertilisers	3 231	13 522	1 503	...	...
Guyana					
Potassic fertilisers	*2 000	*500	*2 000	...	...
Peru					
Chloride	2 638	...	30 106	55 136	...
Potassic chemicals	665	...	1 047	6 064	...
Uruguay					
Potassic fertilisers	6 252	7 121	9 663	4 906	...
Venezuela					
Sulphate	17 300	24 752	2 909	...	...
Chloride	100 741	96 008	86 028	(e) 78 424	...
Potassic chemicals	2 940	2 477	4 796	...	...
Bangladesh (d)					
Potassic fertilisers	53 085	53 905	2 048	...	...
China					
Sulphate	423 664	522 845	566 335	570 972	...
Chloride	2 432 214	2 444 345	1 727 246	2 846 045	...
Other potassic fertilisers	79 777	1 580	386	85 259	...
Potassic chemicals	2 273	2 985	5 482	583	...
Cyprus					
Potassic fertilisers	332	506	428	3 034	583
Hong Kong					
Potassic chemicals	3 874	1 142	1 738	1 787	3 985
India (b)					
Chloride	1 399 328	1 225 097	1 086 248	1 703 423	...
Other potassic fertilisers	75 000	39 841	31 376	13 848	...
Potassic chemicals	2 256	2 332	5 162	33 387	...
Indonesia					
Fertiliser salts	46 194	—	—	1	...
Sulphate	4 210	13 038	5 083	19 514	...
Chloride	279 843	443 623	505 630	347 500	...
Potassic chemicals	5 293	4 639	10 657	8 664	...
Japan					
Sulphate	218 671	184 268	186 213	197 924	...
Chloride	1 037 536	965 638	993 180	1 002 914	...
Other potassic fertilisers	83 776	81 073	84 203	82 979	...
Potassic chemicals	26 860	23 666	23 765	41 088	...
Korea, Dem. P.R. of					
Potassic fertilisers (c)	...	*121 900	...	*1 300	...
Korea, Republic of					
Chloride	602 086	673 414	618 319	671 066	...
Potassic chemicals	7 648	8 038	9 557	11 197	...
Malaysia					
Sulphate	17 226	3 503	15 357	...	...
Chloride	55 400	142 999	148 786	...	...
Other potassic fertilisers	758 623	683 373	756 957	(e) (h) 1 051 000	...
Pakistan (d)					
Potassic chemicals	699	572	1 217	1 199	...
Philippines					
Sulphate	38 135	45 414	24 250	39	...
Chloride	234 075	143 722	172 753	201 664	...
Other potassic fertilisers	560	4 443	479	4	...
Potassic chemicals	5 717	7 298	13 879	14 841	...
Saudi Arabia					
Sulphate	27 371	31 103	1 088	541	...
Other potassic fertilisers	10 649	43 531	6 618	2 667	...
Singapore					
Sulphate	12 958	17 535	8 100	4 764	28
Chloride	60 456	57 500	32 887	35 166	41 974
Other potassic fertilisers	24 491	15 173	41 993	27 874	14 778
Sri Lanka					
Chloride	16 008	28 200	34 576	52 673	...
Other potassic fertilisers	12 596	21 197	48 551	53 746	...

**Imports of Potash**

Country	1991	1992	1993	1994	1995
Syria					
Potassic fertilisers (a)	8 400	300	3 000	5 600	—
Taiwan					
Chloride	329 675	259 777	320 177	282 513	344 918
Potassic chemicals	6 301	5 778	6 711	10 096	8 833
Thailand					
Sulphate	20 002	20 302	25 090	15 332	...
Chloride	91 160	115 858	111 129	120 728	...
Potassic chemicals	16 758	15 022	16 304	14 480	...
Australia (d)					
Sulphate	17 946	21 223	10 465	...	...
Chloride	228 750	222 659	242 978	...	...
Other potassic fertilisers	737	529	4 923	...	...
Potassic chemicals	15 913	16 007	16 508	...	...
New Zealand (d)					
Sulphate	2 269	12 776	4 624	7 760	...
Chloride	135 695	180 733	209 624	236 004	...
Potassic chemicals	2 032	1 839	1 982	4 464	...

## 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) K<sub>2</sub>O 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) Data for the Federal Republic of Yugoslavia only
- (g) As from 1992 data is for Serbia and Montenegro only
- (h) Including chloride

**Production of Rare Earth Minerals**

tonnes

Country	1991	1992	1993	1994	1995
Soviet Union (d)					
Monazite (a)	*8 500	*8 000	*7 000	*6 000	*6 000
Madagascar					
Bastnaesite	5	5	*5	*5	...
South Africa					
Monazite	*400	*400	*400	*400	*400
Zaire					
Monazite	*120	*50	*50	*60	...
USA					
Bastnaesite (a)	16 465	20 699	17 754	20 664	*28 700
Monazite (a)	*1 500	*800	...	...	—
Brazil					
Monazite	*2 500	*2 500	...	...	...
China (a)	16 150	*21 300	*22 100	*23 000	*30 700
India					
Monazite (b)	*4 000	*4 000	*4 600	*4 600	...
Malaysia					
Monazite	1 981	777	407	425	814
Xenotime	5	13	22	1	—
Sri Lanka					
Monazite	*200	*200	*200	*200	...
Thailand					
Monazite	134	89	*220	*200	...
Australia					
Monazite	6 600	5 600	6 500	2 300	*2 000
World total (c)	87 000	98 300	94 300	94 800	121 100
World total (REO content)	*52 100	*58 900	*56 500	*56 800	*72 600

## 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

Country	1991	1992	1993	1994	1995
United Kingdom					
Cerium compounds	466	497	219	408	568
Other rare earth compounds	145	185	380	658	776
Ferro-cerium & other pyrophoric alloys	113	9	93	20	28
Metals	42	75	106	107	416
Austria					
Cerium compounds	590	599	687	789	...
Other rare earth compounds	957	2 183	2 809	3 234	...
Metals	470	383	358	376	...
France					
Rare earth compounds	—	—	19 525	16 207	...
Ferro-cerium & other pyrophoric alloys	108	132	121	127	...
Metals	24	16	70	41	...
Germany, Federal Republic of					
Rare earth compounds	328	234	120	117	147
Ferro-cerium & other pyrophoric alloys	173	158	16	7	9
Italy					
Metals	36	121	33	47	...
Estonia					
Rare earth compounds (b)	—	*1 500	*600	*2 900	...
Norway					
Rare earth compounds	114	2	2	1	0
Russia					
Rare earth compounds (b)	—	*1 000	*1 200	*700	...
Soviet Union					
Rare earth compounds (b)	*2 000	—	—	—	—
Metals (b)	*500	—	—	—	—
Switzerland					
Ferro-cerium & other pyrophoric alloys	1 865	1 634	1 565	1 572	1 664
South Africa (a)					
Rare earth compounds	£7 200	£9 000	£13 400	£57 100	...
USA					
Ores & concentrates	*800	—	—	—	...
Cerium compounds	1 378	1 962	1 622	4 460	4 750
Other rare earth compounds	2 161	1 335	1 088	2 420	1 610
Ferro-cerium & other pyrophoric alloys	83	...	...	...	...
Metals	59	36	161	274	*400
Brazil					
Rare earth compounds	156	...	...	...	...
Metals	130	144	153	67	...
China					
Ores & concentrates	660	...	1 307	1 729	...
Rare earth compounds	4 671	9 315	14 969	20 582	...
Ferro-cerium & other pyrophoric alloys	(b) *150	(b) *20	221	...	...
Metals	2 393	2 986	2 747	4 639	...
Hong Kong					
Ferro-cerium & other pyrophoric alloys (c)	88	...	...	...	...
Japan					
Cerium compounds	396	467	537	597	...
Other rare earth compounds	199	238	199	204	...
Malaysia					
Ores & concentrates	—	—	30	320	...
Thailand					
Ores & concentrates	—	149	—	—	...
Ferro-cerium & other pyrophoric alloys	11	127	349	205	...
Australia					
Ores & concentrates	8 700	5 700	6 500	3 000	...

## Note(s):

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

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

(a) Values shown are for the common customs area

(c) Re-exports

## Imports of Rare Earths

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Cerium compounds	315	404	319	555	591
Other rare earth compounds	366	418	321	555	625
Ferro-cerium & other pyrophoric alloys	41	16	13	18	11
Metals	78	113	114	237	198
Austria					
Cerium compounds	504	957	574	451	...
Other rare earth compounds	23	49	492	406	...
Metals	995	999	622	377	...
Belgium-Luxembourg					
Cerium compounds	342	336	617	426	...
Other rare earth compounds	44	67	122	162	...
Ferro-cerium & other pyrophoric alloys	38	47	51	50	...
Metals	54	28	44	38	...
France					
Cerium compounds	740	680	584	564	...
Other rare earth compounds	999	4 537	8 073	13 570	...
Ferro-cerium & other pyrophoric alloys	627	1 025	87	77	...
Metals	243	284	237	294	...
Germany, Federal Republic of					
Cerium compounds	1 746	1 257	932	998	1 114
Other rare earth compounds	1 400	1 798	2 471	2 639	1 408
Ferro-cerium & other pyrophoric alloys	16	15	32	2 020	1
Metals	154	230	276	257	410
Italy					
Ferro-cerium & other pyrophoric alloys	39	8	25	19	...
Metals	26	97	49	6	...
Netherlands					
Cerium compounds	435	256	52	92	...
Other rare earth compounds	2 578	3 368	3 358	2 542	...
Ferro-cerium & other pyrophoric alloys	21	40	32	73	...
Metals	0	3	22	12	...
Spain					
Rare earth compounds	186	177	194	66	...
Ferro-cerium & other pyrophoric alloys	43	38	31	84	...
Metals	129	68	20	12	...
Norway					
Rare earth compounds	9	2	12	258	23
Metals	75	218	181	326	320
Switzerland					
Ferro-cerium & other pyrophoric alloys	1 297	1 420	1 567	1 396	1 400
Turkey					
Rare earth compounds	87	124	128	126	132
Yugoslavia (c)					
Ferro-cerium & other pyrophoric alloys	(b) 75	3	...	...	...
South Africa					
Rare earth compounds (a)	£339 000	£665 000	£592 000	£1 038 000	£1 373 000
Canada					
Cerium compounds	303	369	394	510	515
Other rare earth compounds	649	180	108	154	231
USA					
Cerium compounds	545	811	1 268	1 890	3 230
Other rare earth compounds	7 962	6 008	7 568	7 904	7 310
Ferro-cerium & other pyrophoric alloys	93	103	118	77	88
Metals	226	293	196	284	406
Brazil					
Cerium compounds	91	97	392	157	...
Other rare earth compounds	518	...	...	...	...
Metals	84	36	125	219	...

## Imports of Rare Earths

Country	1991	1992	1993	1994	1995
Hong Kong					
Rare earth compounds	...	770	419	804	830
Indonesia					
Ferro-cerium & other pyrophoric alloys	...	104	31	—	...
Japan					
Cerium compounds	2 832	2 799	3 325	6 734	...
Other rare earth compounds	7 637	5 844	5 308	7 641	...
Metals	436	414	1 079	1 851	...
Korea, Republic of					
Cerium compounds	452	242	256	253	...
Other rare earth compounds	107	137	88	431	...
Malaysia					
Ores & concentrates	830	151	...	...	...
Saudi Arabia					
Ferro-cerium & other pyrophoric alloys	488	...	...	...	...
Taiwan					
Ores & concentrates	548	375	392	367	129
Rare earth compounds	442	469	917	2 086	2 616
Ferro-cerium & other pyrophoric alloys	32	24	18	50	36
Metals	52	87	152	97	155
Thailand					
Ferro-cerium & other pyrophoric alloys	73	80	100	79	...

## Note(s):

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

(a) Values shown are for the common customs area

(b) Data for the Federal Republic of Yugoslavia only

(c) As from 1992 data is for Serbia and Montenegro only

## Salt

## Production of Salt

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Rock salt	1 635 000	*1 400 000	*1 200 000	*1 700 000	*1 800 000
Brine salt	1 319 800	*1 300 000	*1 300 000	*1 300 000	*1 300 000
Salt in brine (a)	3 874 000	3 401 103	4 075 543	4 009 000	*4 000 000
Austria					
Rock salt	1 252	1 344	1 183	1 197	1 056
Salt in brine	280 000	*280 000	*256 000	*185 000	...
Evaporated salt	459 250	461 679	439 455	516 455	523 044
Denmark (m)	550 150	528 429	591 055	633 592	603 362
Finland	5 187	8 781	7 112	7 447	...
France					
Rock salt	254 000	103 000	116 000	151 000	165 000
Salt in brine	4 130 000	4 860 000	4 355 000	4 608 000	4 410 000
Sea salt	1 388 000	1 156 000	*1 200 000	950 000	1 473 000
Germany, Federal Republic of					
Rock salt	4 762 000	4 265 000	4 883 000	4 725 000	...
Brine salt	778 000	807 000	813 000	801 000	...
Salt in brine	5 161 212	5 293 737	4 889 018	5 006 060	...
Greece	128 845	143 184	175 159	192 000	...
Italy					
Rock salt & brine salt	3 503 891	3 365 946	2 490 000	2 502 000 (l)	2 800 000
Sea salt	700 000	610 000	580 000	*600 000	...
Netherlands	3 417 000	3 628 000	*3 500 000	3 500 000	...
Portugal					
Rock salt	622 495	592 287	524 540	519 432	544 647
Sea salt	*125 000	*125 000	...	...	...
Spain					
Rock salt	*2 200 000	2 870 000	(l) 2 505 000	(l) 2 850 000	(l) 3 500 000
Sea salt	*900 000	*900 000	...	...	...
Other salt	*100 000	*100 000	...	...	...
Albania					
Rock salt	52 000	*5 000	*10 000	*10 000	...
Armenia	—	*100 000	*50 000	*40 000	...
Azerbaijan	—	*50 000	*40 000	*30 000	...
Belarus	—	*360 000	*300 000	*250 000	...
Bosnia & Herzegovina	—	*70 000	*50 000	*50 000	...
Bulgaria	*90 000	*90 000	*80 000	*80 000	...
Croatia	—	28 585	29 643	21 655	...
Czechoslovakia	77 316	...	—	—	—
Czech Republic	—	—	*75 000	*75 000	...
Poland					
Rock salt	556 000	582 000	718 000	800 000	784 000
Other salt	3 284 000	2 545 000	2 370 000	2 575 000	3 090 000
Romania	3 255 000	2 556 000	2 185 800	*2 400 000	...
Russia	—	3 600 000	2 200 000	2 200 000	3 100 000
Slovakia	—	—	*25 000	*70 000	...
Slovenia	—	*8 000	*8 000	*8 000	...
Soviet Union	14 000 000	—	—	—	—
Switzerland	302 173	228 756	220 901	259 205	399 365
Turkey					
Rock salt	80 929	86 321	153 854	79 509	55 671
Sea salt	467 460	511 671	539 603	531 639	464 088
Other salt	889 662	819 632	832 484	742 158	902 290
Ukraine	—	*4 400 000	*4 200 000	*3 500 000	*3 500 000
Yugoslavia (n)					
Rock salt	(h) *130 000	—	—	—	—
Sea salt	(h) *50 000	46 945	38 867	32 086	...
Other salt	(h) *217 000	—	—	—	—
Algeria					
Brine salt & sea salt	207 000	180 000	179 000	*210 000	250 000
Angola	*70 000	*70 000	*70 000	*70 000	...
Botswana	2 600	53 708	98 000	186 000	...
Cape Verde Islands	*1 500	1 310	1 718	3 056	...
Egypt (j)	673 100	794 980	1 118 820	1 007 495	...
Ethiopia (d)	*170 000	*180 000	*180 000	*180 000	...
Ghana	*50 000	*50 000	*50 000	*50 000	...

## Production of Salt

Country	1991	1992	1993	1994	1995
Kenya	72 449	29 490	15 517	*15 000	71 400
Libya	*12 000	*12 000	*12 000	*12 000	...
Madagascar	*50 000	27 628	63 899	*50 000	...
Mali	*5 000	*5 000	*5 000	*5 000	...
Mauritania	*5 400	*5 400	*6 000	*6 000	...
Mauritius (c)	7 000	7 000	*7 000	7 000	...
Morocco	143 921	164 528	150 961	176 442	167 510
Mozambique	*40 000	*40 000	*40 000	*40 000	...
Namibia	141 368	120 835	132 585	356 965	429 779
Senegal	60 700	110 000	117 400	*117 000	...
Somalia	*500	*1 000	*1 000	*1 000	...
South Africa	664 624	701 991	612 629	414 463	313 465
Sudan	75 000	*75 000	*75 000	*75 000	...
Tanzania	64 419	77 281	54 200	60 000	*40 000
Tunisia (c)	431 000	460 000	435 000	*414 000	...
Uganda	*5 000	*5 000	*5 000	*5 000	...
Bahamas (k)	1 319 713	*1 000 000	*1 000 000	*1 000 000	...
Canada					
Rock salt	8 731 370	7 984 369	8 025 899	9 452 946	8 023 363
Other salt (e)	3 261 720	3 187 024	2 899 767	2 815 914	2 869 986
Costa Rica	30 000	30 500	31 100	31 700	32 200
Cuba	*200 000	*185 000	*185 000	*175 000	...
Dominican Republic	*11 400	*12 000	*12 000	*10 000	...
El Salvador (c)	30 351	21 573	40 352	48 726	...
Guatemala (c)	42 500	46 200	47 800	49 600	50 800
Honduras	*30 000	*30 000	*30 000	*25 000	...
Mexico	7 532 421	7 395 152	7 490 820	7 458 414	7 669 549
Netherlands Antilles (k)	252 237	370 503	337 176	475 544	...
Nicaragua (c)	*15 000	*15 000	*15 000	*15 000	...
Panama (c)	25 903	31 045	18 560	*20 000	...
USA (f)					
Rock salt	11 064 000	10 911 000	13 401 000	14 900 000	...
Salt in brine	18 640 000	17 571 000	*18 100 000	18 000 000	(i) 42 300 000
Evaporated salt	6 198 000	6 302 000	6 670 000	6 560 000	...
Argentina	943 198	952 205	1 033 804	855 274	985 914
Brazil					
Rock salt	1 206 962	1 230 608	1 400 000	1 373 000	1 340 000
Sea salt	3 703 000	4 030 000	4 780 000	4 670 000	4 460 000
Chile	1 676 253	1 671 681	1 443 250	3 177 898	3 494 451
Colombia					
Rock salt	218 736	230 000	230 685	*100 000	...
Sea salt	482 360	317 033	169 370	116 361	(i) 267 814
Peru	*200 000	238 244	175 007	97 212	...
Venezuela (c)	293 386	312 700	*370 000	*400 000	...
Afghanistan (g)	*12 000	*12 000	*13 000	*13 000	...
Bangladesh (j)	*300 000	*320 000	*340 000	*350 000	...
Cambodia	*40 000	*40 000	*40 000	*40 000	...
China	24 100 000	28 380 000	29 426 400	29 960 000	24 990 000
India					
Rock salt	*2 700	*2 700	*2 000	*3 000	...
Sea salt	*9 500 000	*9 500 000	*9 500 000	*9 500 000	*9 500 000
Indonesia	*610 000	*630 000	*650 000	650 000	...
Iran (g)	1 066 010	1 017 627	988 695	865 927	*936 000
Iraq	*120 000	*250 000	*300 000	*300 000	...
Israel	1 115 000	*605 000	1 123 000	1 120 000	...
Japan (i)	1 380 000	1 405 000	1 381 000	1 390 000	...
Jordan (b)	5 000	15 000	10 000	19 000	...
Korea, Dem. P.R. of	*580 000	*590 000	*590 000	*600 000	...
Korea, Republic of	*695 804	771 937	*750 000	*760 000	...
Kuwait	—	800	40 863	37 000	...
Laos	*8 000	12 500	9 500	10 000	12 000
Lebanon	*3 000	*3 000	*3 000	*3 000	...
Mongolia	*17 000	*17 000	*18 000	*18 000	...
Myanmar (b) (c)	*260 000	*260 000	*260 000	*260 000	...

## Salt

**Production of Salt**

tonnes

Country	1991	1992	1993	1994	1995
Pakistan					
Rock salt	769 051	832 000	895 098	907 000	...
Sea salt	12 494	10 000	14 152	*13 000	...
Philippines	492 859	495 816	535 481	*540 000	...
Sri Lanka	52 938	122 780	60 513	56 148	...
Syria	74 000	84 000	113 000	*127 000	...
Taiwan	195 319	25 732	176 298	185 987	...
Thailand					
Rock salt	124 500	212 750	261 612	287 806	...
Other salt	*100 000	*100 000	*100 000	*100 000	...
Vietnam	*350 000	*350 000	*350 000	*375 000	...
Yemen, Republic of (o)	115 800	107 000	*110 000	*110 000	...
Australia	7 737 000	7 693 000	7 737 000	8 137 000	8 148 000
New Zealand	*80 000	*80 000	*80 000	*80 000	...
World total	178 700 000	173 600 000	175 400 000	180 700 000	176 200 000

## 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, Nigeria and Turkmenistan
- (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) Excluding data from August to December for the Republic of Croatia
  - (i) Government licensed plants
  - (j) Years ended 30 June of that stated
  - (k) Exports
  - (l) Salt; all forms
  - (m) Sales
  - (n) As from 1992 data is for Serbia and Montenegro only
  - (o) Yemen Arab Republic and People's Dem. Rep. of Yemen were unified on 22 May 1990 as the Republic of Yemen

## Exports of Salt

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	198 613	182 572	296 689	222 700	450 126
Belgium-Luxembourg	89 171	72 498	212 140	232 766	...
Denmark	301 911	312 946	332 818	345 531	325 569
France	799 506	486 013	462 232	598 955	...
Germany, Federal Republic of	3 315 346	3 107 795	2 373 780	2 839 848	2 576 388
Greece	2 318	4 474	17 139	8 391	...
Irish Republic	1 701	511	64	296	248
Italy	224 277	374 201	244 275	333 685	...
Netherlands	3 085 450	3 025 690	2 330 797	2 501 219	...
Portugal	18 436	19 189	8 258	10 966	...
Spain	109 360	228 618	309 852	592 762	...
Sweden	1 478	1 575	4 133	2 301	...
Belarus (a)	—	*5 100	*1 000	*10 000	...
Bosnia & Herzegovina (a)	—	*7 200	*3 100	...	...
Croatia	—	6 418	2 950	...	...
Norway	2 027	2 093	3 439	4 357	3 397
Poland	233 903	249 214	45 100	469 406	530 600
Romania	441 440	295 953	247 099	299 024	388 106
Slovakia (a)	—	—	...	*19 300	...
Switzerland	4 060	7 737	10 932	22 969	86 792
Turkey	31 316	7 901	6 079	4 409	10 084
Algeria	16 160	...	...	...	...
Egypt	122 316	208 106	280 431	446 877	...
Kenya	...	48 533	...	...	...
Madagascar	10 387	7 768	...	...	...
Morocco	4 002	12 388	25 500	55 560	...
Namibia	103 312	73 164	60 680	61 932	78 900
Senegal	119 404	...	...	...	...
South Africa	56 169	50 337	19 262	5 086	2 157
Tunisia	350 048	343 463	286 250	357 524	...
Bahamas	1 319 713	...	...	...	...
Canada	2 783 021	2 632 613	3 105 598	3 639 220	2 987 612
Jamaica	2 751	5 620	3 879	3 843	...
Mexico	6 133 227	6 371 223	6 075 014	7 130 497	...
Netherlands Antilles	252 237	370 503	337 176	475 544	...
USA	1 816 635	1 003 655	699 606	742 952	670 882
Argentina	19 598	37 428	61 072	43 855	...
Brazil	56 883	43 994	187 401	223 615	129 793
Chile	1 012 187	930 061	1 168 034	2 985 664	1 214 742
Colombia	14 666	18 574	2 480	1 006	...
Abu Dhabi	3 419	2 063	3 062	...	...
China	212 403	151 709	200 580	234 214	...
Hong Kong (c)	7 009	6 220	6 216	8 702	5 488
India (b)	406 164	332 681	481 949	437 959	...
Indonesia	14 594	14 382	1 425	1 680	...
Iran (e)	64 948	39 446	83 994	...	...
Israel (a)	*26 200	*87 100	*130 400	*132 300	...
Japan	1 509	1 349	1 463	1 503	...
Jordan	8 633	6 212	908	793	...
Korea, Republic of	59 621	3 733	240	931	...
Malaysia	1 628	4 489	5 586	...	...
Pakistan (d)	18 249	30 418	29 992	5 354	...
Saudi Arabia	1 849	3 544	...	3 629	...
Singapore	13 628	10 808	11 304	12 112	7 538
of which: Re-exports	12 911	10 310	10 691	10 662	6 900
Taiwan	9 000	2 060	134	86	508
Thailand	55 375	76 922	91 014	85 800	...

**Exports of Salt**

tonnes

Country	1991	1992	1993	1994	1995
Australia	7 061 000	7 027 000	6 983 000	7 260 000	7 648 000
New Zealand (d)	4 095	6 212	9 699	13 299	...

(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

Country	1991	1992	1993	1994	1995
United Kingdom	164 101	171 520	181 388	229 125	227 667
Belgium-Luxembourg	998 749	1 148 139	1 032 334	1 393 656	...
Denmark	193 426	131 201	213 545	382 222	349 251
Finland	477 639	432 500	377 057	425 493	...
France	198 176	226 382	207 434	308 881	...
Germany, Federal Republic of	929 790	1 141 388	1 041 907	1 142 224	1 446 943
Greece	71 312	45 698	91 063	99 978	...
Irish Republic	130 311	106 054	63 989	61 828	76 576
Italy	576 459	568 014	539 686	729 946	...
Netherlands	424 538	400 314	268 878	430 097	...
Portugal	75 943	76 216	58 447	111 258	...
Spain	95 456	29 832	23 403	20 708	...
Sweden	894 245	960 099	1 018 041	1 171 627	...
Bulgaria (a)	*38 000	*38 000	*45 000	*22 000	...
Croatia	—	76 463	64 693	...	...
Czechoslovakia (a)	*570 300	*696 200	—	—	—
Czech Republic	—	—	(a) *166 500	518 764	...
Faeroe Islands	20 234	16 680	10 644	17 758	...
Greenland	3 914	3 338	2 889	2 672	...
Hungary	...	432 247	431 306	464 159	...
Iceland	68 650	62 756	56 842	88 801	94 878
Malta	2 093	2 960	2 036	2 760	...
Norway	557 491	578 360	618 282	735 202	692 406
Slovakia (a)	—	—	*34 000	*59 700	...
Slovenia	—	56 776	53 100	58 008	...
Switzerland	3 238	3 170	2 941	3 037	1 267
Turkey	5 352	25 584	24 709	17 690	7 454
Yugoslavia (e)	(d) 127 917	139 509	...	(a) *94 700	...
Benin	...	3 192	...	...	...
Burundi	17 461	5 455	8 344	...	...
Central African Republic	3 887	...	...	...	...
Congo	3 758	6 856	7 621	...	...
Mauritius	1 292	992	...	...	...
Morocco	2 845	2 776	...	638	...
Reunion	2 805	2 738	2 811	2 501	...
Seychelles	353	...	...	...	...
South Africa	86 899	63 606	193 000	108 461	153 413
Togo	17 442	...	...	...	...
Uganda	42 175	54 503	...	...	...
Zimbabwe	59 381	46 477	...	...	...
Bahamas	1 229	...	...	...	...
Barbados	2 676	1 956	1 942	2 225	1 891
Belize	694	947	699	811	868
Canada	1 202 752	1 045 908	1 010 444	940 130	1 294 921
Costa Rica	4 045	235	7 117	7 237	...
Dominica	872	652	381	486	...
El Salvador	4 937	2 626	1 269	2 124	...
Grenada	425	...	...	...	...
Guadeloupe	2 333	2 413	2 112	2 476	...
Guatemala	2 891	518	383	262	...
Jamaica	26 075	20 740	22 168	11 659	...
Martinique	2 542	2 377	2 578	2 494	...
Mexico	81 205	70 935	94 110	78 060	...
Netherlands Antilles	604	543	370	540	...
Panama	1 098	1 303	1 081	2 619	...
St. Lucia	861	655	624	617	...
St. Pierre & Miquelon	2 355	1 809	1 183	661	...
Trinidad & Tobago	13 893	14 395	9 646	5 800	...
USA	6 161 315	5 503 547	5 867 948	9 629 586	7 093 127
Brazil	59 112	55 325	83 089	12 228	...
French Guiana	497	538	436	532	...
Paraguay	1 329	2 552	4 150	7 637	...
Suriname	2 624	2 177	2 362	2 014	...

## Imports of Salt

tonnes

Country	1991	1992	1993	1994	1995
Uruguay	75 052	51 504	87 288	61 432	...
Venezuela	96 311	117 947	285 832	82 196	...
Abu Dhabi	999	1 188	3 392	...	...
Bahrain	2 485	...	3 284	...	...
Bangladesh (b)	300 352	363 487	42 592	...	...
China	8 656	37 608	4 984	5 390	...
Cyprus	6 642	9 468	8 844	7 687	7 462
Hong Kong	143 578	138 847	126 520	126 745	82 535
India (c)	14 558	18 317	18 518	16 335	...
Indonesia	330 107	320 446	488 246	587 829	...
Japan	7 854 886	7 686 928	7 344 495	7 457 918	...
Korea, Dem. P.R. of (a)	*118 600	*81 300	*89 900	*7 700	...
Korea, Republic of	1 275 010	1 421 948	1 504 489	1 493 466	...
Kuwait	1 945	4 994	8 499	9 659	...
Macao	2 745	2 726	...	2 379	...
Malaysia	227 084	171 808	191 812	...	...
Oman	18 610	12 934	6 815	3 392	...
Philippines	80 931	78 673	67 824	257 398	...
Qatar	5 805	3 726	5 529	...	...
Saudi Arabia	12 662	18 509	11 284	10 917	...
Singapore	70 482	65 871	73 852	74 129	72 877
Taiwan	855 840	943 998	887 048	788 231	893 861
Thailand	934	760	686	35 808	...
Australia	6 051	7 144	9 034	...	...
Fiji	3 835	...	...	...	...
New Caledonia	773	713	795	849	...
New Zealand (b)	14 248	23 487	52 038	76 433	...
Solomon Islands	1 448	...	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

(d) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

**Production of Sillimanite Minerals**

Country	1991	1992	1993	1994	1995
France					
Andalusite	*50 000	*50 000	*45 000	*45 000	*45 000
Spain					
Andalusite	*3 600	*3 600	*3 000	*3 500	*3 500
Sweden					
Kyanite	6 000	—	—	—	—
Czechoslovakia	*75 000	*70 000	—	—	—
Romania	*70 000	*65 000	*60 000	...	...
Soviet Union (e)					
Kyanite (a)	*100 000	*95 000	*95 000	...	...
South Africa					
Andalusite	209 824	230 333	187 708	206 291	206 378
Sillimanite	422	632	569	525	317
Zimbabwe					
Kyanite	2 463	1 990	878	567	*600
USA					
Kyanite (b)	*85 000	*85 000	*85 000	*90 000	*90 000
Brazil					
Kyanite (d)	265	440	*500	*500	*500
China	*2 500	*2 500	*2 500	*2 500	*2 500
India					
Kyanite	30 020	10 100	11 400	*12 000	*12 000
Sillimanite	11 757	18 800	14 900	*15 000	*15 000
Australia					
Kyanite	*800	*800	*800	*800	*800
Sillimanite (c)	*100	*100	*100	*100	*100
World total	648 000	634 000	507 000	532 000	532 000

## Note(s):

(1) 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) May include other sillimanite minerals

(b) Including related minerals

(c) Excluding sillimanite clay

(d) Including beneficiated and directly shipped material

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

**Exports of Sillimanite Minerals**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Sillimanite minerals	3 156	3 007	8 655	5 105	7 864
Belgium-Luxembourg					
Sillimanite minerals	147	142	118	284	...
Denmark					
Sillimanite minerals	17	—	160	41	20
France					
Sillimanite minerals	43 301	46 641	30 105	47 887	...
Germany, Federal Republic of					
Sillimanite minerals	9 979	13 175	8 800	8 307	7 977
Italy					
Sillimanite minerals	725	403	722	322	...
Netherlands					
Sillimanite minerals	2 207	3 342	4 059	3 575	...
Sweden					
Sillimanite minerals	2 365	933	82	—	...
South Africa					
Andalusite	124 081	156 521	127 299	139 844	157 794
Sillimanite	740	480	560	678	182
USA					
Kyanite & related minerals	32 073	37 763	*35 000	*35 000	*35 000
Japan					
Sillimanite minerals	5 512	6 903	6 757	5 255	...

## 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

Country	1991	1992	1993	1994	1995
United Kingdom					
Sillimanite minerals	51 390	53 597	53 994	61 893	85 476
Austria					
Sillimanite minerals	2 230	2 775	2 409	3 346	...
Belgium-Luxembourg					
Sillimanite minerals	7 057	10 613	8 003	7 439	...
Denmark					
Sillimanite minerals	1 677	1 595	2 351	1 234	2 497
Finland					
Sillimanite minerals	1 091	1 420	2 081	...	...
France					
Sillimanite minerals	7 333	7 347	2 902	7 161	...
Germany, Federal Republic of					
Sillimanite minerals	98 358	101 634	72 224	89 765	80 564
Irish Republic	—	—	3 426	2 504	7 414
Italy					
Sillimanite minerals	22 554	21 897	21 728	20 631	...
Netherlands					
Sillimanite minerals	6 988	6 650	6 632	17 542	...
Spain					
Sillimanite minerals	12 287	12 916	19 170	17 115	...
Sweden					
Sillimanite minerals	962	1 978	2 806	2 713	...
Norway					
Sillimanite minerals	2 452	2 523	2 849	2 660	3 359
Poland					
Sillimanite minerals	...	4 700	5 700	(d) *5 600	...
Switzerland					
Sillimanite minerals	379	402	475	363	359
Turkey					
Sillimanite minerals	...	...	5 426	7 101	8 161
Yugoslavia (c)					
Sillimanite minerals	(a) 463	147	...	...	...
Canada					
Sillimanite minerals	6 358	8 252	9 014	8 809	12 180
Mexico					
Sillimanite minerals	2 383	2 521	2 825	2 396	...
Mullite	2 201	2 615	2 569	2 521	...
USA					
Sillimanite minerals	5 601	7 550	12 992	*9 000	*4 000
Hong Kong					
Sillimanite minerals	...	157 360	97 381	28 151	65 704
Japan					
Sillimanite minerals	27 351	32 146	26 606	27 067	...
Mullite	12 336	8 595	6 304	6 148	...
Korea, Republic of					
Sillimanite minerals	11 768	6 356	9 120	10 582	...
Mullite	5 944	9 354	6 720	4 895	...
Taiwan					
Sillimanite minerals	4 594	4 953	5 077	6 580	5 613
Mullite	16 101	1 418	2 232	1 071	1 021
Australia					
Sillimanite minerals (b)	5 822	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) Data for the Federal Republic of Yugoslavia only

(b) Years ended 30 June of that stated

(c) As from 1992 data is for Serbia and Montenegro only

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

## Silver

## Mine Production of Silver

kilograms (metal content)

Country	1991	1992	1993	1994	1995
Finland	26 643	6 277	507	26 098	27 100
France	27 600	13 300	11 700	2 900	*2 000
Germany, Federal Republic of	7 200	1 800	1 800	1 800	—
Greece	70 200	61 000	53 500	44 900	*33 000
Irish Republic	10 500	13 100	13 000	17 400	13 700
Italy	13 600	12 880	9 340	12 080	13 900
Portugal	43 820	39 454	36 000	31 800	38 600
Spain	180 000	160 000	180 000	132 000	*135 000
Sweden	239 321	210 319	255 257	275 224	268 200
Bulgaria	*37 300	*33 000	*30 000	*29 000	29 000
Croatia	—	*800	*500	*1 000	...
Czechoslovakia	*28 000	*20 000	—	—	—
Macedonia	—	16 393	8 650	12 978	...
Poland	899 000	798 000	767 000	1 064 000	1 001 000
Romania	*17 000	*17 000	*18 000	*18 000	*18 000
Russia	—	535 600	496 600	490 000	480 000
Soviet Union	*1 270 000	—	—	—	—
Turkey	48 000	92 000	64 000	*60 000	*60 000
Yugoslavia (a) (d)	(c) 92 000	66 420	25 144	*18 000	...
Algeria	*3 500	*3 500	*3 000	*3 000	2 000
Ghana	1 200	1 200	1 200	1 200	1 200
Morocco	296 075	213 286	309 155	327 539	350 000
Namibia	91 900	89 000	71 671	62 224	65 847
South Africa	171 555	182 723	192 418	197 767	174 279
Tunisia	*1 000	*1 000	*1 000	*1 000	*2 500
Zaire	*50 000	*35 000	*10 000	*1 000	0
Zambia	14 200	18 300	18 100	12 200	8 400
Zimbabwe	19 380	16 930	12 004	10 942	*10 000
Canada	1 338 799	1 215 388	895 837	767 842	1 245 939
Dominican Republic	21 955	13 471	1 201	9 209	21 066
Honduras	42 033	35 353	24 171	27 634	30 202
Mexico	2 223 647	2 317 382	2 415 805	2 334 181	2 495 388
Nicaragua	1 546	2 271	2 358	2 628	*2 600
USA	1 855 000	1 804 000	1 645 000	1 480 500	1 460 000
Argentina	69 959	45 374	42 744	38 032	47 787
Bolivia	337 010	282 350	332 768	352 083	425 053
Brazil	27 000	*25 000	20 650	14 760	13 000
Chile	676 339	1 024 823	970 068	983 005	1 041 458
Colombia	8 036	8 292	7 328	5 898	5 913
Peru (b)	1 816 291	1 584 325	1 587 274	1 654 829	1 816 160
China	180 000	200 000	220 000	225 000	*225 000
India	31 900	47 000	51 000	50 305	39 800
Indonesia	67 989	99 904	90 285	105 961	260 500
Iran	*47 500	*60 000	*50 000	*60 000	*60 000
Japan	170 676	178 330	136 886	133 713	100 078
Kazakhstan	—	*900 000	*600 000	506 000	430 000
Korea, Dem. P.R. of	*300 000	*280 000	*250 000	*200 000	*200 000
Korea, Republic of	3 100	4 723	4 712	8 600	179
Malaysia	13 440	15 325	14 008	13 342	11 080
Mongolia	*16 000	*18 000	*20 000	*21 000	*21 000
Myanmar (a)	5 257	4 790	2 395	5 600	3 500
Oman	8 700	6 900	2 900	4 700	4 000
Philippines	39 069	30 878	32 466	29 562	26 870
Saudi Arabia	16 175	17 200	17 780	17 200	*17 500
Thailand	*20 000	*10 000	*11 000	*10 000	...
Uzbekistan	—	69 000	68 000	60 000	50 000
Australia	1 180 000	1 218 000	1 152 000	1 045 000	939 000
Fiji	485	1 255	1 112	1 406	1 574

**Mine Production of Silver**

kilograms (metal content)

Country	1991	1992	1993	1994	1995
New Zealand	11 371	22 413	25 797	27 589	*32 000
Papua New Guinea	124 484	95 498	96 095	65 695	65 153
World total	14 313 000	14 296 000	13 381 000	13 115 000	13 868 000

(a) Smelter and/or refinery production

(b) Recoverable

(c) Excluding data from August to December for the Republic of Croatia

(d) As from 1992 data is for Serbia and Montenegro only

## Silver

## Exports of Silver

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	1 873 934	1 516 073	2 205 005	2 103 029	2 151 942
Austria					
Metal	144 442	108 725	47 698	45 608	...
Belgium-Luxembourg					
Metal	1 149 307	1 545 299	923 450	1 160 816	...
Denmark					
Metal	41 215	34 579	19 712	13 565	13 133
of which: Re-exports	36 091	26 133	...	...	...
Finland					
Metal	25 000	26 000	45 000	...	...
France					
Metal	1 098 455	748 796	736 993	916 209	...
Waste & scrap	213 990	208 346	...	...	...
Germany, Federal Republic of					
Metal	1 431 971	1 107 127	1 258 687	1 223 059	1 375 231
Italy					
Metal	479 315	313 216	257 121	285 194	...
Netherlands					
Metal	95 918	82 069	79 976	84 515	...
Portugal					
Metal	6 000	7 000	2 397	...	...
Spain					
Metal	280 485	274 860	275 601	263 790	...
Sweden					
Metal	306 000	296 000	313 000	309 000	...
Bulgaria					
Metal (d)	...	*19 000	*83 600	*35 500	...
Estonia					
Waste & scrap (d)	—	...	...	*78 200	...
Latvia					
Metal (d)	—	*1 000	*2 600	*1 200	*500
Macedonia					
Metal (d)	—	...	*24 900	*5 600	*500
Norway					
Metal	33 633	54 832	55 992	77 286	77 178
Poland					
Metal	931 000	747 000	659 000	975 800	897 400
Russia					
Metal (d)	—	*29 900	*25 600	*12 100	...
Waste & scrap (d)	—	...	...	*77 400	...
Switzerland					
Metal	2 376 014	2 495 963	2 512 270	2 382 396	2 528 421
Yugoslavia (g)					
Metal	(f) 35 000	11 000	...	...	...
Morocco					
Metal	199 542	150 000	...	...	...
Namibia					
Metal	89 000	90 000	72 000	62 000	...
South Africa					
Metal	130 260	181 493	166 019	178 525	149 447
Canada					
Ores & concentrates (e)	509 095	408 841	226 773	142 129	229 119
Metal	994 267	1 053 700	1 084 423	1 102 547	1 209 950
Dominican Republic					
Metal	21 955	13 471	1 201	9 209	21 066
Honduras					
Concentrates (e)	42 033	35 353	24 171	27 634	30 202
Mexico					
Ores & concentrates	2 002 569	2 864 110	1 917 997	104 514	...
Metal	1 760 000	1 552 000	1 293 864	1 262 115	...
USA					
Ores & concentrates (b)	229	8 505	2 269	196	743
Metal	1 472 712	1 430 485	...	...	...
Waste & scrap	837 440	769 187	891 693	1 208 895	1 580 000



## Exports of Silver

Country	1991	1992	1993	1994	1995
Bolivia					
Ores & concentrates	769 016	*1 487 000	2 744 608	2 204 297	*2 630 000
Metal	41 353	42 242	97 637	86 536	80 974
Brazil					
Metal	38 517	48 643	40 564	12 565	...
Chile					
Metal	426 657	697 638	602 047	624 149	640 119
Peru					
Metal	519 400	625 200	575 400	584 800	659 400
Venezuela					
Metal	52 328	47 336	57 296	...	...
China					
Metal	11 721	34 134	12 692	22 327	...
Hong Kong					
Metal	55 009	67 240	70 372	86 187	60 118
of which: Re-exports	54 969	65 307	69 918	85 999	59 617
Waste & scrap	1 448	—	—	—	—
of which: Re-exports	1 447	—	—	—	—
Indonesia					
Metal	82	772	12 235	196 019	...
Japan					
Metal	205 795	421 234	214 059	222 401	...
Waste & scrap	7 717	2 849	19 418	12 274	...
Kazakhstan					
Metal (d)	—	...	*606 500	*507 900	...
Korea, Dem. P.R. of					
Metal (d)	*17 400	*12 300	*1 000	*600	...
Korea, Republic of					
Metal	79 700	200 161	108 033	151 937	...
Malaysia					
Metal	8 451	1 074	13 354	...	...
Myanmar (c)					
Metal	3 826	2 244	...	...	...
Philippines					
Ores & concentrates (b)	21 096	18 185	555	629	...
Metal	—	19 889	47	41	...
Singapore					
Metal	125 636	258 126	258 208	566 727	1 503 166
of which: Re-exports	121 948	237 172	247 152	553 077	1 448 844
Taiwan					
Metal	941	1 619	3 664	4 979	12 088
Thailand					
Metal	653	272 482	107 595	13 646	...
Australia (a)					
Metal	235 092	250 203	234 035	190 000	192 000
New Zealand (a)					
Metal	10 278	1 208	762	3 727	...
Papua New Guinea					
Metal	124 484	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  
(f) Data for the Federal Republic of Yugoslavia only  
(g) As from 1992 data is for Serbia and Montenegro only

## Silver

## Imports of Silver

kilograms

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	1 216 043	1 416 753	1 344 357	1 582 563	4 328 972
Austria					
Metal	172 198	128 352	103 657	153 157	...
Belgium-Luxembourg					
Ores & concentrates	609 000	—	490 100	272 100	...
Metal	872 042	1 324 264	1 442 804	1 734 875	...
Denmark					
Metal	104 658	93 481	110 757	113 409	148 611
Finland					
Metal	77 000	125 000	89 000	...	...
France					
Metal	976 214	922 167	1 216 241	1 175 202	...
Waste & scrap	353 886	100 352	...	...	...
Germany, Federal Republic of					
Metal	1 553 968	1 299 915	903 944	1 015 686	1 256 529
Greece					
Metal	85 703	95 438	86 000	...	...
Italy					
Ores & concentrates	—	—	374 600	460 800	...
Metal	1 518 320	2 746 293	881 936	801 245	...
Netherlands					
Metal	142 552	121 575	106 248	157 459	...
Portugal					
Metal	111 000	131 000	77 631	...	...
Spain					
Ores & concentrates	912 000	472 000	371 000	18 000	...
Metal	1 304 167	698 885	302 491	750 466	...
Sweden					
Metal	142 000	171 000	175 000	213 000	...
Bulgaria					
Metal (f)	*9 500	*5 800	*10 500	*600	...
Croatia					
Metal	—	£338 000	£358 000	...	...
Czechoslovakia					
Metal (f)	*12 600	*8 800	—	—	—
Czech Republic					
Metal (f)	—	—	*5 300	...	...
Estonia					
Metal (f)	—	*16 100	*23 000	...	...
Faeroe Islands					
Metal	144	152	...	...	...
Iceland					
Metal	700	604	...	...	...
Malta					
Metal	1 674	1 886	1 805	3 208	...
Norway					
Metal	49 247	82 522	80 638	95 821	125 114
Slovakia					
Metal (f)	—	—	*1 000	*1 400	...
Slovenia					
Metal (f)	—	*3 900	*3 600	...	...
Switzerland					
Metal	2 563 258	2 371 942	1 958 699	2 133 101	1 330 260
Turkey					
Metal (b)	30 000	12 887	13 660	12 317	47 473
Ukraine					
Metal (f)	—	...	*1 000	*60 000	...
Yugoslavia (c)					
Metal	(d) 1 000	0	...	...	...
Morocco					
Metal	11 286	...	...	...	...
South Africa					
Metal	16 021	103 281	18 673	16 783	15 810
Tunisia					
Metal	5 622	...	...	8 579	...

## Imports of Silver

Country	1991	1992	1993	1994	1995
Canada					
Ores & concentrates (g)	163 335	183 024	173 255	158 980	297 796
Metal	152 633	162 059	258 453	175 330	152 857
Costa Rica					
Metal	339	877	1 298	327	...
Jamaica					
Metal	21	285	129	375	...
Panama					
Metal	1 670	1 709	2 396	...	...
Trinidad & Tobago					
Metal	504	464	...	...	...
USA					
Metal	2 690 038	3 228 346	2 556 336	*2 500 000	*3 000 000
Waste & scrap	1 451 874	1 765 448	1 272 486	1 071 689	2 140 000
Argentina					
Metal	2 857	8 051	5 035	24 568	...
Brazil					
Metal	125 772	86 256	161 530	198 272	...
Chile					
Metal	...	512	1 713	758	590
Venezuela					
Metal	12 453	9 731	20 055	...	...
Abu Dhabi					
Metal	4 277	379	2 673	...	...
China					
Metal	15 802	307 138	46 271	47 891	...
Cyprus					
Metal	11 174	17 185	9 287	11 478	12 287
Hong Kong					
Metal	239 980	158 628	300 495	157 682	208 350
India (a)					
Metal	34 528	39 820	53 550	1 419 048	...
Indonesia					
Metal	5 347	4 606	1 098	11 399	...
Israel					
Metal (f)	*43 700	*48 600	*52 800	*48 700	...
Japan					
Ores & concentrates	8 998 000	1 107 000	—	5 116 000	...
Metal	1 050 491	769 392	664 953	1 153 245	...
Waste & scrap	263 655	319 682	504 810	685 257	...
Jordan					
Metal	187	519	23	...	...
Korea, Republic of					
Metal	287 487	276 343	236 023	302 527	...
Malaysia					
Metal	59 614	28 588	51 084	...	...
Philippines					
Metal	777	1 440	94	1 392	...
Saudi Arabia					
Metal	4 911	6 456	4 637	3 117	...
Singapore					
Metal	734 866	1 302 244	1 976 291	902 527	882 055
Taiwan					
Metal	143 048	219 673	163 450	214 059	271 686
Thailand					
Metal	236 295	1 394 380	1 479 155	7 460 876	...
Australia					
Metal (e)	137	262	243	...	...

## Silver

**Imports of Silver**

kilograms

Country	1991	1992	1993	1994	1995
New Zealand (e)					
Metal	29 274	28 667	41 850	51 946	...

## 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) As from 1992 data is for Serbia and Montenegro only

(d) Data for the Federal Republic of Yugoslavia only

(e) Years ended 30 June of that stated

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

(g) Ag content of all ores and concentrates

## Production of Sulphur and Pyrites

tonnes (sulphur content)

Country		1991	1992	1993	1994	1995
United Kingdom						
Recovered (c)		60 100	53 900	61 900	70 500	62 300
Recovered (d)		143 000	177 000	202 000	162 000	140 000
Austria						
Recovered		17 800	16 900	*17 000	*18 800	*20 000
Belgium						
Recovered (c) (d)		320 000	350 000	303 000	302 000	317 000
Denmark						
Recovered (d)		6 264	6 982	10 357	7 131	8 050
Finland						
Pyrites (44%)		249 721	293 464	292 644	369 504	430 000
Recovered (c)		225 000	218 000	217 000	216 000	215 000
Recovered (d)		31 164	37 319	32 162	41 109	38 000
France						
Recovered (d)		1 026 000	1 000 000	1 105 000	1 084 000	1 065 000
Germany, Federal Republic of						
Recovered (c)		198 000	23 000	*20 000	*20 000	*20 000
Recovered (d)		905 258	1 016 000	*980 000	880 000	*1 000 000
Recovered (e)		84 000	100 000	*100 000	*100 000	*100 000
Greece						
Pyrites (45%)		35 332	31 395	*22 391	26 637	...
Recovered (d)		153 000	141 000	109 000	109 000	109 000
Italy						
Pyrites (43%)		211 782	174 000	145 000	*130 000	...
Recovered (d)		*280 000	*290 000	*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	*290 000	*290 000
Portugal						
Pyrites (44%)		5 669	*5 000	*5 000	*5 000	...
Recovered		*4 000	*4 000	*4 000	*4 000	...
Spain						
Pyrites (47%)		580 000	555 000	408 000	436 000	404 000
Recovered (c) (d) (e)		*359 000	*350 000	*360 000	388 000	380 000
Sweden						
Pyrites (48%)		42 790	17 828	—	—	—
Recovered (c)		*125 000	*125 000	*125 000	...	...
Sulphur ore		37 961	52 998	55 000	47 000	53 000
Bulgaria						
Pyrites (42%)		*60 000	*60 000	*50 000	*50 000	*55 000
Recovered		*50 000	*50 000	*50 000	*50 000	*55 000
Croatia						
Recovered (c) (d)		—	*3 000	*3 000	*3 000	*3 000
Czechoslovakia						
Pyrites (42%)		*50 000	*50 000	—	—	—
Recovered		54 628	67 846	—	—	—
Sulphur ore		*6 000	*6 000	—	—	—
Czech Republic						
Recovered		—	—	*20 000	*20 000	*20 000
Hungary						
Pyrites		*900	*900	*900	...	...
Recovered		18 785	26 709	28 552	30 890	*30 000
Macedonia						
Recovered		—	*6 000	*6 000	*6 000	...
Norway						
Pyrites (50%)		159 499	124 637	43 779	1 000	...
Recovered (c) (d)		*90 000	*90 000	*90 000	*90 000	*110 000
Poland						
Frasch (g)		3 934 531	2 917 000	1 893 000	2 163 000	2 427 000
Recovered (c)		200 000	*200 000	*200 000	*200 000	...
Recovered (d)		28 000	*25 000	*25 000	*25 000	...
Anhydrite		*10 000	*10 000	*10 000	*10 000	...
Romania						
Pyrites (42%)		*350 000	385 000	*225 000	*225 000	*200 000
Recovered		*250 000	*200 000	*200 000	*200 000	*200 000

## Production of Sulphur and Pyrites

tonnes (sulphur content)

Country		1991	1992	1993	1994	1995
Russia						
Recovered (c)		—	*250 000	*200 000	*150 000	...
Recovered (d)		—	*1 800 000	*1 800 000	*1 600 000	...
Sulphur ore		—	*100 000	*80 000	*60 000	...
Slovakia						
Pyrites	(42%)	—	—	*40 000	...	...
Soviet Union						
Pyrites	(46%)	*1 700 000	—	—	—	—
Frasch		*900 000	—	—	—	—
Recovered (c)		*1 100 000	—	—	—	—
Recovered (d)		*2 600 000	—	—	—	—
Sulphur ore		*1 800 000	—	—	—	—
Turkey						
Pyrites	(45%)	43 000	40 000	27 000	*27 000	*50 000
Recovered (d) (e)		*22 000	22 000	26 000	*30 000	...
Sulphur ore		24 000	23 000	*17 000	*18 000	...
Ukraine						
Sulphur ore		—	*800 000	*600 000	392 000	238 000
Yugoslavia (i)						
Pyrites	(42%)	61 000	3 000	1 000	1 000	...
Recovered (c) (d)		*202 000	*131 000	*111 000	*111 000	...
Algeria						
Recovered (d)		*20 000	*20 000	*19 000	*20 000	20 000
Egypt						
Recovered (d)		*2 500	*2 500	*2 500	*2 500	*2 500
Libya						
Recovered (d)		*14 000	*14 000	*14 000	*14 000	...
Namibia						
Pyrites	(50%)	63 560	82 095	56 852	60 817	51 570
South Africa						
Pyrites	(48%)	292 539	296 200	322 714	(l) 488 716	(l) 452 825
Recovered (c) (d) (h)		228 145	221 496	252 754	...	...
Zaire						
Recovered (c)		*16 000	*11 000	*2 000	*1 000	...
Zambia (j)						
Pyrites	(42%)	33 300	32 400	*33 400	*21 900	25 000
Recovered (c)		73 500	78 200	80 800	*55 600	61 000
Zimbabwe						
Pyrites	(42%)	29 337	27 865	30 487	29 831	*30 000
Recovered		*5 000	*5 000	*5 000	*5 000	...
Canada						
Recovered (c)		872 000	931 000	897 000	1 048 000	1 075 000
Recovered (d)		6 937 884	*7 000 000	7 552 000	7 975 000	8 079 000
Cuba						
Recovered (d)		*4 000	*5 000	*5 000	*4 000	...
Mexico						
Frasch		1 040 268	709 767	101 660	...	...
Recovered (c)		261 000	302 000	311 000	300 000	359 000
Recovered (d)		754 097	775 216	810 000	876 000	882 000
Netherlands Antilles						
Recovered (d)		25 513	*25 000	52 041	23 821	...
Trinidad & Tobago						
Recovered (d)		*5 000	*5 000	*5 000	*5 000	...
USA						
Pyrites (a)	(40%)	4 000	3 000	3 000	...	...
Frasch		2 869 000	2 320 000	*2 300 000	2 960 000	...
Recovered (c)		1 302 000	1 292 000	1 430 000	1 380 000	1 340 000
Recovered (d)		6 645 000	7 048 000	*7 300 000	7 160 000	(k) 10 400 000
Bolivia (f)						
Sulphur ore		2 795	15	—	252	—
Brazil						
Pyrites		71 903	42 866	23 624	20 861	22 539
Recovered (c)		163 576	184 057	183 529	182 638	170 942
Recovered (d)		46 826	58 513	58 582	53 256	41 951

## Production of Sulphur and Pyrites

tonnes (sulphur content)

Country	1991	1992	1993	1994	1995
Chile					
Recovered (c)	278 000	306 000	378 000	523 000	588 000
Sulphur ore (b)	16 884	24 034	937	—	—
Colombia					
Recovered (d)	9 308	10 200	8 800	15 182	(g) 60 000
Sulphur ore	46 624	44 969	42 596	38 175	...
Ecuador					
Recovered (d)	*10 000	*10 000	*10 000	*10 000	...
Sulphur ore	*4 000	*4 000	*4 000	*4 000	...
Peru					
Recovered (c)	*66 000	*66 000	*66 000	*66 000	...
Venezuela					
Recovered (d)	151 000	155 000	135 000	158 000	180 000
Abu Dhabi					
Recovered (d)	*74 000	*224 000	*249 000	...	...
Bahrain					
Recovered (d)	38 000	59 400	57 700	55 282	51 300
China					
Pyrites (45%)	4 940 000	4 500 000	5 329 000	5 181 000	5 896 000
Recovered	*650 000	*650 000	*700 000	*650 000	...
Sulphur ore	*320 000	*320 000	261 800	285 000	200 000
India					
Pyrites (37%)	41 000	30 000	36 000	35 000	35 000
Recovered (c)	*92 000	*116 000	*123 000	*17 700	...
Recovered (d)	26 000	26 000	31 000	*36 000	41 000
Indonesia					
Sulphur ore	*3 600	*3 600	*3 500	*3 500	*3 500
Iran					
Recovered (c)	*50 000	*50 000	*50 000	*50 000	...
Recovered (d)	*650 000	*700 000	*750 000	*830 000	*800 000
Iraq					
Frasch	*250 000	*500 000	*600 000	*600 000	...
Recovered (d)	*50 000	*100 000	*200 000	*200 000	*250 000
Israel					
Recovered (d)	*66 000	*60 000	*60 000	*60 000	*60 000
Japan					
Pyrites (49%)	30 000	31 000	29 000	88 000	88 000
Recovered (c) (g)	1 350 000	1 370 000	1 380 000	1 392 000	1 434 000
Recovered (d)	1 240 000	1 340 000	1 511 000	1 626 000	1 682 000
Kazakhstan					
Sulphur ore	—	*200 000	*150 000	*100 000	...
Korea, Dem. P.R. of					
Pyrites (40%)	*210 000	*210 000	*210 000	*210 000	*210 000
Recovered (c)	*30 000	*30 000	*30 000	*30 000	*30 000
Korea, Republic of					
Recovered (c)	*229 000	*260 000	*263 000	*250 000	*250 000
Recovered (d)	65 000	100 000	214 000	227 000	246 000
Kuwait					
Recovered (d)	*30 000	*150 000	*175 000	*175 000	...
Oman					
Recovered (d)	*40 000	*40 000	*40 000	*40 000	...
Pakistan					
Recovered	*26 000	*26 000	*27 000	*27 000	*27 000
Philippines					
Pyrites (46%)	155 000	64 000	114 000	63 792	...
Recovered (c)	*119 000	*111 000	*147 000	*125 000	...
Qatar					
Recovered (d)	*52 000	*52 000	*52 000	...	...
Saudi Arabia					
Recovered (d)	2 000 000	1 630 000	*1 600 000	*1 600 000	*1 600 000
Singapore					
Recovered (d)	*75 000	*75 000	*75 000	100 000	100 000
Syria					
Recovered (d)	30 000	*30 000	*30 000	*30 000	*30 000
Taiwan					
Recovered	125 819	118 621	153 076	154 778	156 000

**Production of Sulphur and Pyrites**

tonnes (sulphur content)

Country	1991	1992	1993	1994	1995
Turkmenistan					
Sulphur ore	—	*300 000	*50 000	47 599	...
Australia					
Recovered (c)	223 000	295 000	299 000	275 000	*300 000
Recovered (d)	75 000	75 000	85 000	*115 000	...
Total Pyrites	9 400 000	7 100 000	7 400 000	7 300 000	8 000 000
Total Frasch	9 000 000	6 400 000	4 900 000	5 800 000	3 400 000
Total Recovered	34 300 000	33 400 000	35 000 000	35 500 000	39 300 000
Total Sulphur ore	2 300 000	1 900 000	1 300 000	1 000 000	800 000
World total (all forms)	55 000 000	48 800 000	48 600 000	49 600 000	51 500 000

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) Exports

(g) Including S content of sulphur ore

(h) Including production from synthetic fuels

(i) As from 1992 data is for Serbia and Montenegro only

(j) Years ended 31 March following that stated

(k) Including frash

(l) Sulphur; all forms



## Exports of Sulphur and Pyrites

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Sulphur					
Crude	3 440	6 191	2 692	1 937	2 654
Sublimed & precipitated	1 583	1 640	2 888	2 200	1 927
Austria					
Sulphur					
Crude	164	332	115	227	...
Sublimed & precipitated	6	4 385	15 441	13 468	13 000
Belgium-Luxembourg					
Pyrites	166	3 139	1 080	413	...
Sulphur					
Crude	16 549	21 092	11 929	12 510	...
Sublimed & precipitated	112	49	178	2	...
Denmark					
Sulphur	5 155	5 798	4 958	7 684	762
Finland					
Pyrites (c)	*331 900	*290 600	*309 200	*483 800	...
France					
Sulphur					
Crude	365 575	464 021	473 714	618 777	...
Refined	5 068	8 872	3 704	11 499	...
Sublimed & precipitated	588	426	961	656	...
Germany, Federal Republic of					
Pyrites	991	82 164	2 857	585	612
Sulphur					
Crude	682 649	728 018	787 716	795 331	798 643
Sublimed & precipitated	302	365	1 068	947	366
Greece					
Sulphur	6 962	5 938	187	...	...
Italy					
Pyrites	5 230	12 170	7 160	7 704	...
Sulphur					
Crude	33 478	69 163	56 968	112 083	...
Sublimed & precipitated	1 855	592	2 099	1 375	...
Netherlands					
Sulphur	135 135	171 957	165 120	166 723	165 700
Spain					
Pyrites	7 685	20 953	37 195	4 841	...
Sulphur					
Crude	62 137	40 367	12 814	18 734	...
Sublimed & precipitated	1 689	334	1 261	1 054	...
Sweden					
Sulphur					
Crude	29 757	39 468	20 442	527	...
Sublimed & precipitated	643	246	150	—	...
Hungary					
Sulphur					
Crude	10 000	47	2 128	...	...
Sublimed & precipitated	...	15 393	13 215	12 957	...
Norway					
Pyrites	69 528	—	—	—	2 395
Sulphur					
Crude	1	—	152	4 417	348
Sublimed & precipitated	5 865	6 361	8 359	2 670	6 216
Poland					
Sulphur	2 812 000	2 625 000	2 294 000	1 813 000	1 643 500
Switzerland					
Sulphur	28 975	15 793	219	16 571	1 854
Yugoslavia (d)					
Pyrites	(a) 20 196	4 313	...	...	...
Namibia					
Pyrites (e)	—	—	—	4 116	62 158
South Africa					
Sulphur	15 861	17 444	4 607	2 508	...

## Exports of Sulphur and Pyrites

tonnes

Country	1991	1992	1993	1994	1995
Canada					
Sulphur	5 303 666	5 653 525	4 193 886	4 983 257	6 077 430
Mexico					
Sulphur	1 335 874	1 013 318	577 956	539 053	484 300
Netherlands Antilles					
Sulphur	25 513	*25 000	52 041	23 821	...
USA					
Sulphur					
Crude	943 166	735 080	502 791	530 770	548 249
Refined	89 942	51 175	33 292	118 233	256 350
Sublimed & precipitated	258 788	180 447	120 346	236 837	109 725
Bolivia					
Sulphur	2 952	15	—	253	—
Colombia					
Sulphur	2 355	1 796	1 680	2 258	2 000
Venezuela					
Sulphur	978	673	560	...	...
Bahrain					
Sulphur	44 754	...	25 611	...	...
China					
Pyrites	195 388	146 969	1 496	23 835	...
Sulphur					
Crude	486	804	3 459	4 811	...
Sublimed & precipitated	316	318	289	1 319	...
Iran					
Sulphur	423 241	222 444	362 832	c) *446 900	...
Japan					
Sulphur					
Crude	358 370	390 306	408 502	748 273	...
Sublimed & precipitated	1 579	1 848	1 899	2 013	...
Korea, Republic of					
Sulphur					
Crude	5 589	4 966	16 225	27 942	...
Sublimed & precipitated	373	634	3 028	606	...
Kuwait					
Sulphur	—	35 000	225 095	...	...
Qatar					
Sulphur	—	68 397	63 531	59 000	53 900
Saudi Arabia					
Sulphur					
Crude	452 219	599 915	...	14 223	...
Sublimed & precipitated	1 055 731	179 563	...	4 558	...
Singapore					
Sulphur					
Crude	18 848	1 791	462 703	34 971	45 329
Sublimed & precipitated	11 626	38 448	34 814	27 261	34 145
Taiwan					
Sulphur					
Crude	350	312	11 225	15 633	1 906
Sublimed & precipitated	134	161	225	372	489
Thailand					
Sulphur					
Crude	766	343	419	506	...
Sublimed & precipitated	16	30	10	—	...
Australia					
Sulphur (b)	1 541	30 812	2 996	...	...

(a) Data for the Federal Republic of Yugoslavia only

(b) Years ended 30 June of that stated

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

(d) As from 1992 data is for Serbia and Montenegro only

(e) S content

## Imports of Sulphur and Pyrites

Country	1991	1992	1993	1994	1995
United Kingdom					
Pyrites	8 373	268	1 295	2 960	1 031
Sulphur					
Crude	439 315	359 210	274 604	...	...
Sublimed & precipitated	117	203	2 858	999	1 038
Austria					
Pyrites	642	702	625	661	...
Sulphur					
Crude	48 268	59 141	38 565	20 745	...
Sublimed & precipitated	374	349	13 458	28 552	...
Belgium-Luxembourg					
Pyrites	78 625	6 501	229	16 911	...
Sulphur					
Crude	436 148	476 805	303 109	349 820	...
Sublimed & precipitated	638	54	21 286	11 253	...
Denmark					
Sulphur					
Crude	27 386	27 182	23 181	31 898	38 052
Sublimed & precipitated	65	15	909	30	78
Finland					
Sulphur	7 395	811	16 152	33 448	17 300
France					
Pyrites	840	1 243	712	7 151	...
Sulphur					
Crude	526 822	263 261	197 420	89 672	...
Refined	32 708	28 840	76 906	281 919	...
Sublimed & precipitated	348	647	962	1 065	...
Germany, Federal Republic of					
Pyrites	120 976	103 683	105 380	175 226	151 884
Sulphur					
Crude	68 160	37 551	39 242	28 696	44 862
Sublimed & precipitated	506	547	462	1 120	1 023
Greece					
Sulphur					
Crude	187 196	77 541	96 167	79 682	76 000
Sublimed & precipitated	75	139	156	...	...
Irish Republic					
Sulphur					
Crude	480	2 170	156	115	376
Sublimed & precipitated	28	3	8	9	66
Italy					
Pyrites	47 463	7 413	9 776	11 769	11 800
Sulphur					
Crude	191 412	152 293	80 257	144 131	...
Sublimed & precipitated	1 036	677	58	100	...
Netherlands					
Pyrites	463	390	268	228	...
Sulphur					
Crude	130 343	119 538	72 047	36 605	...
Sublimed & precipitated	154	142	374	225	...
Portugal					
Sulphur	16 566	10 049	10 900	12 489	...
Spain					
Sulphur					
Crude	47 418	53 895	97 012	105 977	...
Sublimed & precipitated	49	98	1 257	1 600	...
Sweden					
Pyrites	167 760	134 855	190	342	...
Sulphur					
Crude	5 757	16 538	106 487	106 169	106 100
Sublimed & precipitated	7 680	6 921	449	395	...
Bulgaria					
Sulphur	73 000	47 000	—	20 000	2 000
Croatia					
Sulphur					
Crude	—	222 879	47 138	(f) 52 400	(f) 57 300
Sublimed & precipitated	—	504	280	...	...

## Imports of Sulphur and Pyrites

tonnes

Country	1991	1992	1993	1994	1995
Czechoslovakia					
Sulphur	199 000	138 982	—	—	—
Czech Republic					
Sulphur	—	—	48 482	87 613	104 700
Hungary					
Sulphur	19 000	19 616	12 397	9 295	...
Norway					
Pyrites	30	14 373	146 451	251 611	253 343
Sulphur					
Crude	2 981	2 174	1 796	633	862
Sublimed & precipitated	485	476	127	32	21
Poland					
Sulphur	2 000	14 539	28 096	16 077	300
Romania					
Sulphur	166 733	116 216	107 328	45 932	99 490
Crude	3 414	50	13 864	568	81
Sublimed & precipitated					
Russia					
Sulphur	—	50 334	770	...	...
Slovakia					
Sulphur	—	—	27 977	(a) *17 500	12 700
Slovenia					
Sulphur	—	41 931	34 818	45 623	...
Soviet Union					
Sulphur (a)	*642 900	—	—	—	—
Switzerland					
Pyrites	209	203	247	244	240
Sulphur					
Crude	51 381	30 020	27 657	33 681	38 978
Sublimed & precipitated	37	128	14	47	22
Turkey					
Pyrites	4 604	11 825	115	64	24 185
Sulphur					
Crude	123 525	148 182	170 067	136 819	87 321
Sublimed & precipitated	344	352	91	181	106
Yugoslavia (e)					
Pyrites	(d) 8 743	—	...	...	...
Sulphur					
Crude	(d) 2 332	5 693	...	...	...
Refined	(d) 1 903	1 018	...	...	...
Sublimed & precipitated	(d) 181	41	...	...	...
Algeria					
Sulphur					
Crude	71 949	74 028	...	61 751	...
Sublimed & precipitated	900	...	...	...	...
Egypt					
Sulphur	86 244	210 761	81 293	40 214	...
Gabon					
Sulphur	2 200	2 000	2 000	1 000	1 500
Kenya					
Sulphur	500	7 247	600	...	...
Morocco					
Sulphur	2 228 027	2 650 700	2 588 000	2 654 000	2 836 500
Niger					
Sulphur	18 200	20 000	24 000	26 800	18 200
Nigeria					
Sulphur	1 200	1 000	1 000	...	...
Senegal					
Sulphur	200 000	200 000	235 000	261 200	348 300
South Africa					
Sulphur					
Crude	280 195	249 858	401 084	296 762	601 692
Sublimed & precipitated	54	...	385	67 733	644
Tunisia					
Sulphur	1 154 746	1 414 761	1 270 000	1 454 782	1 491 800
Zimbabwe					
Sulphur	34 759	17 324	20 000	...	...

## Imports of Sulphur and Pyrites

tonnes

Country	1991	1992	1993	1994	1995
Canada					
Pyrites	6 710	9 475	9 594	11 339	15 873
Sulphur					
Crude	9 026	8 645	7 532	3 123	25 593
Sublimed & precipitated	1 268	948	1 061	1 280	1 756
Cuba					
Sulphur	103 000	80 000	100 000	*100 000	*200 000
El Salvador					
Sulphur	4 296	2 802	493	4 711	...
Guatemala					
Sulphur	1 156	2 379	1 938	1 113	...
Jamaica					
Sulphur	6 033	6 031	6 055	3 334	...
Mexico					
Sulphur					
Crude	249 969	249 000	122 908	201 333	612 900
Sublimed & precipitated	772	843	376	481	...
USA					
Pyrites	2 046	198	870	1 839	296
Sulphur					
Crude	3 013 412	2 724 192	2 041 704	1 625 931	2 198 474
Sublimed & precipitated	7 840	428	377	344	240
Argentina					
Sulphur	105 207	55 509	68 051	78 914	70 400
Brazil					
Sulphur	1 065 649	861 660	1 088 919	1 266 475	1 349 500
Chile					
Sulphur	40 459	32 749	37 019	43 365	25 746
Colombia					
Sulphur	34 255	43 639	45 253	41 013	...
Ecuador					
Sulphur	1 799	133	42	...	...
Paraguay					
Sulphur	2 517	1 698	697	1 418	...
Peru					
Sulphur	3 360	3 000	6 687	4 013	...
Suriname					
Sulphur	1 216	*1 000	*1 000	...	...
Uruguay					
Sulphur	13 723	12 600	13 773	13 186	15 600
Venezuela					
Sulphur	252	192	198	108	...
Bangladesh (b)					
Sulphur	41 915	33 746	27 007	...	...
China					
Sulphur					
Crude	26 290	460	21 373	78 809	...
Sublimed & precipitated	24 655	44 605	68 341	99 457	...
Cyprus					
Sulphur	1 356	1 190	2 384	601 660	1 504
Hong Kong					
Sulphur					
Crude	881	444	61 313	22 712	30 531
Sublimed	572	614	1 350	637	569
India (c)					
Sulphur					
Crude	1 082 155	1 398 379	1 264 367	1 600 570	...
Sublimed & precipitated	1 115	1 374	1 427	1 117	...
Indonesia					
Sulphur					
Crude	320 052	188 667	193 875	320 566	...
Sublimed & precipitated	22 653	140 785	32 762	44 793	...
Israel					
Sulphur	130 422	44 386	...	(a) *32 500	...

## Imports of Sulphur and Pyrites

tonnes

Country	1991	1992	1993	1994	1995
Japan					
Pyrites	321 293	303 426	164 996	167 395	...
Sulphur	453	726	345	854	...
Jordan					
Sulphur					
Crude	281 154	64 811	182 153	305 911	...
Sublimed & precipitated	22 720	50 884	40	...	...
Korea, Republic of					
Sulphur					
Crude	472 320	532 189	391 641	439 129	(f) 477 100
Sublimed & precipitated	1 253	1 897	1 496	207	...
Malaysia					
Sulphur					
Crude	23 990	24 505	28 976	15 231	...
Sublimed & precipitated	8 534	9 040	7 059	...	...
Pakistan (b)					
Sulphur	23 461	34 550	36 461	32 737	...
Philippines					
Sulphur					
Crude	10 982	8 068	17 355	38 977	...
Sublimed & precipitated	4 079	17 042	5 716	937	...
Singapore					
Sulphur					
Crude	919	346	126	117	138
Sublimed & precipitated	101	207	130	138	66
Sri Lanka					
Sulphur					
Crude	1 024	735	17 716	865	...
Sublimed & precipitated	697	323	1 323	1 142	...
Taiwan					
Sulphur					
Crude	129 775	40 687	30 758	10 935	8 873
Sublimed & precipitated	96 207	82 083	137 942	169 193	178 335
Thailand					
Sulphur					
Crude	4 130	31 680	78 769	25 270	...
Refined	92 744	57 391	35 237	47 081	...
Sublimed & precipitated	198	174	187	230	...
Australia					
Sulphur	62 000	97 000	72 000	92 000	...
New Zealand (b)					
Sulphur					
Crude	83 775	122 411	188 781	214 513	(f) 252 800
Sublimed & precipitated	129	125	293	255	...

(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) Data for the Federal Republic of Yugoslavia only

(e) As from 1992 data is for Serbia and Montenegro only

(f) Sulphur; all forms

## Production of Talc

Country	1991	1992	1993	1994	1995
United Kingdom	10 818	5 216	5 317	5 275	*4 000
Austria	161 425	145 664	136 640	130 602	131 614
Finland	261 350	322 859	347 859	395 297	*400 000
France	310 000	350 000	280 000	280 000	*300 000
Germany, Federal Republic of	22 700	23 500	21 200	11 583	*12 000
Greece	1 012	*700	1 050	400	*400
Italy	162 102	183 830	142 000	139 000	*130 000
Portugal	10 794	9 166	9 054	*9 000	*9 000
Spain	*70 000	*70 000	*65 000	*65 000	*65 000
Sweden	19 159	*10 000	20 000	25 000	28 000
Hungary	625	*1 000	*1 000	*1 000	*1 000
Macedonia	—	*15 000	*10 000	*10 000	*10 000
Norway	*80 000	*60 000	*50 000	*50 000	*50 000
Romania	*10 000	6 330	9 000	8 952	9 976
Soviet Union (g)	*450 000	*400 000	*350 000	...	...
Turkey	3 186	3 281	*4 000	*4 000	*4 000
Yugoslavia (f)	(e) *17 000	—	—	—	—
Egypt (d)	8 340	8 319	4 746	4 125	*4 000
South Africa					
Talc	8 235	10 266	8 798	8 202	9 173
Wonderstone (pyrophyllite)	4 448	3 053	4 287	5 507	5 519
Zimbabwe	1 676	2 203	1 349	2 049	*2 000
Canada	123 000	104 000	108 000	130 000	116 000
Mexico	11 883	19 559	14 376	14 900	15 443
USA					
Talc	1 037 196	997 268	968 000	935 000	1 060 000
Argentina					
Talc	23 060	21 580	18 084	16 850	17 600
Pyrophyllite	2 261	3 020	1 962	1 996	4 189
Brazil					
Talc (b)	292 000	286 000	*330 000	360 000	250 000
Agalmatolite (b)	*110 000	*110 000	*110 000	*110 000	...
Pyrophyllite (b)	186 000	144 000	*150 000	148 000	150 000
Chile	548	1 493	5 058	5 351	4 107
Colombia	11 773	13 340	19 550	18 000	*20 000
Peru	*10 100	*10 000	*10 000	19 974	...
Uruguay	716	1 052	1 020	913	*1 000
Venezuela	*32 000	*32 000	*32 000	*32 000	...
China	*2 600 000	*2 650 000	*2 700 000	*2 400 000	*2 400 000
India					
Pyrophyllite	84 577	79 197	82 269	86 160	*86 000
Steatite	*424 000	368 003	385 121	371 580	*370 000
Iran (a)	6 676	23 707	18 000	29 226	...
Japan					
Talc	65 633	61 120	57 000	56 000	57 000
Pyrophyllite	903 823	771 078	732 000	660 000	649 000
Korea, Dem. P.R. of	*170 000	*170 000	*180 000	*180 000	*180 000
Korea, Republic of					
Talc	170 563	149 862	53 900	*60 000	...
Pyrophyllite	573 208	602 580	644 890	707 951	*700 000
Nepal (c)	3 170	3 820	1 340	*1 500	*1 500
Pakistan	33 643	23 676	46 846	*45 000	*40 000
Taiwan	18 518	6 085	5 015	4 290	3 500
Thailand	48 265	39 424	50 411	64 276	*58 000

Talc

## Production of Talc

tonnes

Country	1991	1992	1993	1994	1995
Australia (d)					
Talc	173 803	179 678	172 273	*170 000	*170 000
Pyrophyllite	1 032	1 260	1 175	*1 000	*1 000
World total	8 700 000	8 500 000	8 400 000	8 100 000	8 100 000

- (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
- (e) Excluding data from August to December for the Republic of Croatia
- (f) As from 1992 data is for Serbia and Montenegro only
- (g) Dissolved in December 1991. No information is available on which to estimate for individual countries



## Exports of Talc

Country	1991	1992	1993	1994	1995
United Kingdom	1 925	2 078	3 604	5 022	5 364
Austria	125 532	130 156	125 146	129 944	...
Belgium-Luxembourg	67 865	56 875	51 183	61 973	...
Finland (a)	*78 000	*90 600	*111 700	*174 400	...
France	156 799	159 058	128 622	144 106	...
Germany, Federal Republic of	7 278	5 350	5 269	4 860	5 108
Greece	637	273	23	...	...
Italy	38 219	46 260	50 543	61 071	...
Netherlands	25 858	27 088	42 134	51 942	...
Spain	7 531	9 571	11 891	35 203	...
Sweden	17 388	20 553	20 552	21 857	...
Czechoslovakia (a)	*3 700	*8 400	—	—	—
Norway	33 926	35 562	35 132	35 835	36 142
Switzerland	153	252	499	403	274
Turkey	125	169	220	277	59
Canada	34 325	32 214	29 194	31 694	30 028
USA	178 711	176 795	145 315	165 199	191 373
Brazil	1 957	1 547	2 012	2 534	...
China	948 296	1 048 450	1 063 926	1 243 396	...
Hong Kong (c)	41 623	26 984	13 803	7 372	12 581
India (b)	15 308	16 551	13 028	27 783	...
Japan	3 547	4 012	4 171	5 210	...
Korea, Dem. P.R. of (a)	*7 100	*13 600	*10 400	...	...
Korea, Republic of					
Talc	21 392	9 011	806	1 622	...
Pyrophyllite	257 321	216 759	223 593	247 285	...
Singapore	895	1 857	2 988	4 391	3 399
of which: Re-exports	812	1 811	2 875	4 356	3 375
Taiwan	1 033	681	1 988	1 912	4 084
Thailand	7 216	2 090	3 088	2 490	...
Australia (d)	168 835	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	1991	1992	1993	1994	1995
United Kingdom	85 361	84 826	127 484	71 506	65 083
Austria	10 832	12 341	12 599	15 262	...
Belgium-Luxembourg	82 132	108 598	113 170	60 385	...
Denmark	10 268	11 748	10 973	11 424	8 919
Finland	340	412	962	...	...
France	24 490	24 589	24 337	44 958	...
Germany, Federal Republic of	219 661	234 114	239 743	237 139	239 868
Greece	3 797	3 134	4 106	...	...
Irish Republic	1 757	1 100	1 037	1 475	3 070
Italy	34 025	39 667	43 685	55 982	...
Netherlands	73 791	83 187	73 020	163 585	...
Portugal	10 859	11 525	9 308	...	...
Spain	41 725	37 196	31 381	32 938	...
Sweden	26 668	26 309	24 797	24 969	...
Croatia	—	674	593	...	...
Czechoslovakia (a)	*600	*300	—	—	—
Czech Republic (a)	—	—	*4 500	*2 200	...
Hungary	...	3 439	...	...	...
Norway	13 050	14 844	21 023	18 544	15 576
Poland	12 577	(a) *2 800	(a) *4 700	(a) *5 800	...
Russia (a)	—	*8 700	*5 100	...	...
Soviet Union (a)	*10 100	—	—	—	...
Switzerland	14 510	12 471	12 458	14 256	12 893
Turkey	1 235	1 441	2 032	1 962	3 237
Yugoslavia (d)	(c) 1 322	1 020	...	...	...
Algeria	612	108	...	...	...
Egypt	...	2 188	2 228	...	...
Morocco	2 045	2 175	...	...	...
South Africa	6 300	5 303	6 723	5 666	7 365
Tunisia	1 231	2 058	...	2 323	...
Canada	44 996	47 351	47 973	52 925	51 143
Costa Rica	1 097	1 616	1 304	1 400	...
El Salvador	437	745	373	649	...
Guatemala	501	524	449	220	...
Honduras	288	166	...	87	...
Jamaica	671	633	663	688	...
Mexico	105 675	103 290	103 017	118 376	...
Panama	574	657	789	859	...
Trinidad & Tobago	629	524	757	...	...
USA	68 383	76 010	97 525	152 504	142 888
Argentina	1 207	1 825	1 062	1 745	...
Brazil	766	2 494	1 702	2 722	...
Chile	3 021	3 580	3 851	4 279	4 773
Colombia	1 456	2 375	2 934	3 562	...
Ecuador	...	762	654	...	...
Peru	454	202	397	1 151	...
Venezuela	10 169	14 671	5 071	...	...
China	289	1 376	2 189	3 560	...
Cyprus	515	419	207	245	295
Hong Kong	40 782	24 043	16 658	12 879	14 481
Indonesia	28 890	39 567	59 610	58 327	...
Israel (a)	*2 000	*1 700	*2 400	*1 200	...
Japan	698 683	629 347	588 777	601 793	...
Jordan	940	1 685	1 731	...	...
Korea, Republic of	178 349	203 615	264 258	310 952	...
Malaysia	18 142	27 750	25 526	...	...
Pakistan (b)	1 183	1 025	7 858	8 503	...
Philippines	11 392	9 618	18 971	18 704	...
Saudi Arabia	5 752	6 458	7 965	8 132	...
Singapore	7 164	9 909	11 700	15 662	13 588
Sri Lanka	1 246	2 020	1 836	1 854	...
Syria	...	3 032	...	...	...
Taiwan	81 256	103 818	151 026	180 200	165 906

**Imports of Talc**

Country	1991	1992	1993	1994	1995
Thailand	37 078	47 798	57 374	49 334	...
Australia (b)	529	562	628	...	...
New Zealand (b)	1 571	1 436	1 892	1 970	...

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

(b) Years ended 30 June of that state

(c) Data for the Federal Republic of Germany

(d) As from 1992 data is for Serbia

## Production of Tantalum and Niobium Minerals

tonnes

Country		1991	1992	1993	1994	1995
Spain						
Tantalite	(— ,25%)	*8	*8	*6	*5	...
Nigeria						
Columbite	(43%, 6%)	36	*40	*40	*40	...
Rwanda						
Columbite-tantalite	(30%,23%)	200	188	706	...	...
Zaire						
Columbite-tantalite	(27%,27%)	57	29	20	—	—
Zimbabwe						
Columbite-tantalite	(11%,28%)	111	94	48	7	...
Canada						
Pyrochlore	(42%, —)	5 600	5 500	5 700	5 600	5 800
Tantalite	( 3%,30%)	310	160	103	67	67
Brazil						
Pyrochlore	(42%, —)	33 450	*32 000	*24 000	*33 000	*41 000
Columbite-tantalite	(20%,30%)	290	*200	*175	*175	*175
Djalmaite	(1%,50%)	*10	15	...	...	...
Malaysia						
Struverite	(— ,10%)	401	397	1 077	277	127
Australia						
Columbite-tantalite	(20%,33%)	668	925	313	240	361
World total concentrates		41 100	39 600	32 200	40 100	48 300
Nb content		*16 700	*16 100	*12 800	*16 500	*20 000
Ta content		*540	*540	*490	*360	*380

## 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	1991	1992	1993	1994	1995
United Kingdom					
Tantalum	79	134	122	146	244
Austria					
Tantalum	34	48	39	29	...
France					
Tantalum	33	43	32	78	...
Germany, Federal Republic of					
Niobium & tantalum ores	124	133	407	135	39
Tantalum	95	83	131	167	153
Italy					
Tantalum	3	7	6	194	...
Canada					
Niobium & tantalum ores (a)	4 172	4 113	3 982	4 399	1 610
USA					
Tantalum ores & concentrates	11	17	11	23	...
Tantalum	328	227	342	296	324
Brazil					
Columbite-tantalite	54	70	116	172	...
Japan					
Tantalum	33	44	90	85	...
Malaysia					
Columbite & tantalite	140	150	40	10	...
Tin slags	45	—	126	3 365	...
Singapore					
Tin slags	424	981	265	136	126
of which: Re-exports	117	652	0	40	15
Taiwan					
Tantalum	16	19	3	35	15
Thailand					
Tantalum ores & concentrates	861	111	100	266	...
Tin slags	668	—	...	...	...
Australia (b)					
Columbite-tantalite	421	468	320	...	...
Tantalum	1 117	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	1991	1992	1993	1994	1995
United Kingdom					
Niobium & tantalum ores	1 721	1 957	321	0	1
Tantalum	133	418	530	620	901
Austria					
Tantalum	92	53	33	37	...
France					
Tantalum	35	39	43	81	...
Germany, Federal Republic of					
Tantalum	144	137	467	213	170
Italy					
Tantalum	2	3	35	1	...
USA					
Tantalum concentrates	930	1 367	1 324	1 090	...
Niobium concentrates	1 607	2 428	2 348	3 080	...
Tantalum	139	108	177	347	545
Niobium	1	1	111	171	...
Japan					
Niobium ores & concentrates	1 347	1 169	2 045	1 480	...
Tantalum	76	61	61	78	...

## 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	1991	1992	1993	1994	1995
United Kingdom	2 326	2 044	2 232	1 922	1 971
Portugal	3 133	3 011	5 300	4 300	4 600
Spain	19	7	2	4	1 900
Russia	—	7 700	7 700	10 500	8 000
Soviet Union	*12 000	—	—	—	—
Nigeria	400	400	300	300	300
Rwanda	898	735	600	200	...
South Africa	1 042	592	452	43	...
Zaire	1 200	700	700	1 000	1 000
Zimbabwe	797	716	658	82	...
Canada	*4 500	—	—	—	—
USA	*100	*100	*100	—	—
Bolivia	16 830	16 516	18 634	16 027	14 419
Brazil	29 253	27 500	27 000	22 500	22 370
Peru (a)	6 559	10 195	13 687	20 275	22 331
China	42 000	43 800	46 600	54 100	51 600
Indonesia	33 418	29 389	28 585	30 610	38 400
Kazakhstan	—	*100	*100	24	15
Laos	300	346	504	810	687
Malaysia	20 710	14 339	10 384	6 458	6 400
Mongolia	300	100	100	53	59
Myanmar	*500	*500	*600	800	700
Thailand	10 755	11 484	6 363	3 926	*3 000
Vietnam	*800	3 400	3 500	*4 000	4 500
Australia	5 380	6 609	8 057	7 400	8 656
World total	193 000	180 000	182 000	185 000	191 000

(a) Recoverable

Tin

## Smelter Production of Tin

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	1 661	—	—	—	—
Greece	200	200	200	200	*200
Netherlands	5 000	200	200	200	—
Portugal	100	100	100	100	100
Spain	1 700	2 400	2 000	—	—
Czechoslovakia	118	—	—	—	—
Russia	—	25 800	14 500	12 200	14 000
Soviet Union	*18 000	—	—	—	—
Nigeria	400	400	300	200	200
South Africa	1 600	600	500	100	...
Zimbabwe	797	716	658	82	...
Mexico	2 262	2 594	1 644	768	770
Argentina	100	130	29	—	—
Bolivia (a)	14 659	14 393	18 551	20 019	17 709
Brazil	29 500	27 000	26 900	20 400	16 775
China	36 000	39 600	51 600	67 800	*60 700
Indonesia	30 415	28 151	30 415	31 100	44 200
Japan	716	821	804	706	630
Korea, Republic of	2 300	400	400	300	300
Malaysia	42 722	45 598	39 984	38 111	39 500
Myanmar	157	*100	*100	*100	*100
Singapore	*200	—	—	...	...
Thailand	11 255	10 679	8 099	7 759	8 200
Vietnam	3 440	3 727	2 345	2 300	2 300
Australia	268	240	222	320	570
World total	204 000	204 000	200 000	203 000	206 000

(a) Refined, including alloys



## Exports of Tin

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Concentrates	1 445	3 516	4 437	3 466	3 256
Unwrought	2 897	242	423	1 171	2 689
Unwrought alloys	1 078	628	1 763	1 538	1 436
Scrap	1 882	798	1 004	1 378	1 451
Belgium-Luxembourg					
Unwrought	2 767	5 589	6 074	5 156	...
Unwrought alloys	707	106	426	569	...
Scrap	48	69	93	23	...
Denmark					
Scrap	905	450	211	175	158
Finland					
Scrap	224	188	163	...	...
France					
Unwrought	19	61	95	27	...
Unwrought alloys	80	160	225	424	...
Scrap	324	637	790	1 298	...
Germany, Federal Republic of					
Unwrought	1 099	1 025	485	389	425
Unwrought alloys	861	1 414	2 788	1 566	444
Scrap	1 078	374	323	479	261
Irish Republic					
Scrap	1 683	938	101	27	103
Italy					
Unwrought (a)	242	72	207	512	...
Scrap	78	42	141	200	...
Netherlands					
Unwrought	1 082	337	349	671	900
Unwrought alloys	795	830	1 375	1 077	...
Scrap	685	738	728	551	...
Portugal					
Concentrates	9 497	6 764	12 987	9 272	...
Spain					
Unwrought (a)	167	172	358	136	100
Sweden					
Unwrought (a)	131	114	125	149	100
Russia					
Unwrought	—	...	720	7 559	7 824
Switzerland					
Unwrought (a)	64	299	143	124	135
Scrap	70	164	100	178	140
Namibia					
Concentrates	16	16	0	...	...
Niger					
Concentrates (b)	20	20	...	...	...
Nigeria					
Unwrought (a)	100	120	...	...	...
Rwanda					
Concentrates	946	844	649	...	...
Zaire					
Concentrates	*1 500	700	700	...	...
Canada					
Concentrates (b)	3 716	401	—	37	47
Scrap	460	486	847	638	...
Jamaica					
Scrap	260	122	38	58	...
USA					
Unwrought (a)	2 999	4 569	4 858	4 917	5 398
of which: Re-exports	2 297	2 700	2 259	2 356	2 613
Scrap	12 221	13 050	8 772	8 582	9 135
Bolivia					
Concentrates	6 706	6 056	2 896	2 533	2 454
Unwrought	14 276	14 262	14 394	15 380	12 915

## Tin

## Exports of Tin

tonnes

Country	1991	1992	1993	1994	1995
Brazil					
Unwrought (a)	18 110	19 366	22 062	17 643	9 907
Peru					
Concentrates	13 079	21 980	23 024	44 863	...
China					
Concentrates	11 295	7 448	3 100	615	52
Unwrought (a)	15 692	30 273	40 703	37 619	25 137
Hong Kong					
Concentrates (d)	9 097	7 567	4 057	*2 200	769
Unwrought (a)	7 105	15 963	17 885	11 448	15 281
of which: Re-exports	7 097	15 887	17 694	11 421	15 175
Indonesia					
Concentrates	339	370	74	22	...
Unwrought (a)	27 704	27 710	17 875	22 300	42 300
Japan					
Unwrought (a)	276	321	301	170	...
Korea, Republic of					
Unwrought (a)	416	210	46	735	...
Scrap	435	582	466	—	...
Malaysia					
Unwrought (a)	44 449	46 852	36 920	38 935	35 216
Scrap	422	1 350	431	...	...
Myanmar (c)					
Concentrates	150	12	...	...	...
Singapore					
Concentrates (d)	1 359	820	777	1 757	1 388
Unwrought	26 953	26 066	27 446	31 904	33 740
of which: Re-exports	26 235	25 314	24 199	30 378	32 181
Scrap	275	520	1 031	1 484	1 698
of which: Re-exports	33	34	101	556	942
Thailand					
Unwrought (a)	6 255	7 350	3 497	2 751	2 724
Australia					
Concentrates	9 660	11 782	14 639	13 363	15 894
Unwrought (a)	454	240	216	214	534
Scrap (e)	462	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) Sn content
- (c) Years ended 31 March following that stated
- (d) Re-exports
- (e) Years ended 30 June of that stated

## Imports of Tin

Country	1991	1992	1993	1994	1995
United Kingdom					
Concentrates	3 616	11	5	3	8
Unwrought	4 714	8 932	13 004	13 067	9 751
Unwrought alloys	2 166	1 443	1 538	1 645	1 689
Scrap	2 153	1 384	322	1 037	562
Austria					
Unwrought (a)	686	831	945	855	...
Belgium-Luxembourg					
Concentrates	170	70	3	3	...
Unwrought	2 558	2 513	1 803	1 508	...
Unwrought alloys	184	347	602	1 067	...
Scrap	1 248	1 552	1 498	1 604	...
Denmark					
Unwrought (a)	69	35	36	30	22
Finland					
Unwrought (a)	42	65	88	96	...
France					
Unwrought	8 195	8 549	7 697	9 154	8 700
Unwrought alloys	381	470	506	656	...
Germany, Federal Republic of					
Concentrates	45	63	—	—	50
Unwrought	19 650	21 856	18 382	19 950	20 617
Unwrought alloys	1 511	1 105	725	808	916
Scrap	653	659	1 213	731	278
Greece					
Unwrought (a)	597	299	249	360	...
Irish Republic					
Unwrought (a)	69	95	197	265	317
Italy					
Unwrought	5 392	5 520	5 436	5 143	5 800
Unwrought alloys	85	110	224	220	...
Netherlands					
Concentrates	6 180	—	—	—	...
Unwrought	2 263	3 763	3 908	8 953	9 000
Unwrought alloys	463	222	1 433	1 039	...
Scrap	476	236	455	390	...
Portugal					
Unwrought (a)	748	938	649	966	600
Spain					
Concentrates	1 878	2 739	2 466	215	...
Unwrought (a)	3 224	3 194	4 369	4 933	5 300
Sweden					
Unwrought	311	237	425	514	500
Unwrought alloys	221	266	161	166	...
Scrap	164	100	82	196	...
Croatia					
Unwrought (a)	—	224	148	...	...
Czechoslovakia					
Unwrought (a)	2 100	*800	—	—	—
Hungary					
Unwrought & semi-manufactures	550	430	176	346	...
Norway					
Unwrought	434	421	433	398	541
Unwrought alloys	80	70	81	70	93
Poland					
Unwrought	767	1 005	(a) (g) *2 700	996	...
Romania					
Unwrought (a)	...	524	615	536	...
Russia					
Unwrought (a) (g)	—	*3 300	*13 900	*7 500	...
Slovakia					
Unwrought	—	—	478	...	...
Switzerland					
Unwrought (a)	941	720	943	676	779
Turkey					
Unwrought (a)	1 174	855	898	835	1 095

## Tin

## Imports of Tin

tonnes

Country	1991	1992	1993	1994	1995
Yugoslavia (e)					
Unwrought (a)	(b) 206	217	...	...	...
Algeria					
Unwrought (a)	*250	*185	300	41	...
Egypt					
Unwrought & scrap	*129	206	300	190	...
Morocco					
Unwrought (a)	127	175	116	89	...
South Africa					
Unwrought (a)	2 631	1 359	2 118	2 425	2 219
Canada					
Unwrought	3 337	3 587	4 510	4 677	4 493
Mexico					
Concentrates	6 764	3 739	4 044	1 098	...
Unwrought	719	549	540	1 255	...
Scrap	277	88	61	91	...
USA					
Unwrought	29 102	27 347	33 689	32 112	33 255
Unwrought alloys	8 430	10 070	7 071	8 783	11 401
Scrap	1 055	922	2 553	1 925	15 928
Argentina					
Unwrought	689	775	972	1 162	...
Chile					
Unwrought	537	474	513	546	...
Colombia					
Unwrought (a)	319	276	366	440	...
Peru					
Unwrought (a)	130	*120	162	185	...
Venezuela					
Unwrought (a)	628	701	449	304	...
Hong Kong					
Concentrates	8 367	9 505	3 166	969	849
Unwrought (a)	9 425	16 684	19 008	14 259	15 894
India (f)					
Unwrought (a)	1 540	1 485	2 972	4 224	...
Scrap	972	102	285	475	...
Iran (d)					
Unwrought	663	558	247	...	...
Japan					
Unwrought	34 349	27 539	27 665	27 577	28 000
Unwrought alloys	4 329	3 613	1 766	3 226	...
Korea, Republic of					
Concentrates	2 535	250	20	—	...
Unwrought (a)	6 606	7 394	9 364	10 687	11 200
Malaysia					
Concentrates	51 038	56 014	42 540	59 569	...
Unwrought (a)	4 689	4 998	5 252	5 265	...
Philippines					
Unwrought (a)	975	730	508	648	...
Singapore					
Concentrates	1 350	667	1 008	1 551	1 103
Unwrought	5 272	5 473	4 006	3 010	3 976
Scrap	376	212	756	551	856
Taiwan					
Unwrought (a)	7 349	7 447	7 683	9 689	9 699

**Imports of Tin**

Country	1991	1992	1993	1994	1995
Australia (c)					
Unwrought (a)	772	798	922	...	...
New Zealand (c)					
Unwrought (a)	96	53	78	133	...

## 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) Data for the Federal Republic of Yugoslavia only

(c) Years ended 30 June of that stated

(d) Years ended 20 March following that stated

(e) As from 1992 data is for Serbia and Montenegro only

(f) Years ended 31 March following that stated

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

## Titanium

## Production of Titanium Minerals

tonnes

Country	1991	1992	1993	1994	1995
Norway					
Ilmenite	615 416	708 149	713 113	826 391	857 797
Soviet Union					
Ilmenite	*400 000	—	—	—	—
Rutile	*9 000	—	—	—	—
Ukraine					
Ilmenite	—	*250 000	*200 000	*150 000	...
Rutile	—	*5 000	*4 000	*2 000	...
Sierra Leone					
Ilmenite	60 371	60 331	64 400	53 500	—
Rutile	154 800	149 000	150 332	144 300	—
South Africa					
Ilmenite (b)	*1 374 000	*1 502 000	*1 516 000	*1 314 000	*1 680 000
Rutile	75 000	75 000	100 000	*90 000	*90 000
Canada (a)					
Ilmenite (b)	*2 000 000	*2 200 000	*2 100 000	*2 200 000	*2 200 000
USA					
Ilmenite	*250 000	*270 000	*300 000	*320 000	*320 000
Rutile	27 000	29 000	*25 000	*30 000	...
Brazil					
Ilmenite	69 064	76 558	90 567	97 439	102 125
Rutile	1 094	1 798	1 744	1 911	1 985
China					
Ilmenite	229 000	304 900	226 000	216 500	...
India					
Ilmenite	311 537	*300 000	*320 000	*290 000	*290 000
Rutile	13 635	*10 000	*13 900	*13 000	*13 000
Malaysia					
Ilmenite	336 347	337 744	278 950	116 696	151 680
Sri Lanka					
Ilmenite	62 823	35 868	71 235	60 465	*65 000
Rutile	3 085	2 741	2 643	2 410	*2 500
Thailand					
Ilmenite	17 071	2 922	20 715	1 600	...
Leucoxene	4	45	...	...	...
Australia					
Ilmenite	1 476 000	1 787 000	1 804 000	1 746 000	1 980 000
Rutile	193 000	183 000	187 000	225 000	195 000
Leucoxene	20 000	20 000	21 000	33 000	31 000
World total					
Ilmenite (Wt. of concs)	7 200 000	7 800 000	7 700 000	7 400 000	8 000 000
Rutile (Wt. of concs)	477 000	456 000	485 000	510 000	480 000
All forms (TiO <sub>2</sub> content)	*3 771 000	*4 021 000	*4 015 000	*3 884 000	*4 154 000

## 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 1995 South Africa produced 988000 tonnes (85% TiO<sub>2</sub>) and Canada produced 816000 tonnes (80% TiO<sub>2</sub>)

## Exports of Titanium

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	3 846	6 366	6 002	7 816	10 107
Oxides	171 552	170 543	165 471	174 301	157 673
Austria					
Metal	294	196	675	92	...
Oxides	1 151	1 132	1 094	1 328	...
Belgium-Luxembourg					
Metal	225	396	290	612	...
Oxides	109 956	112 184	170 075	190 072	...
Finland					
Oxides (b)	*45 500	*47 100	*61 000	*60 000	...
France					
Titanium minerals	867	162	214	4 877	...
Metal	1 940	2 300	1 730	2 169	...
Oxides	167 779	176 265	171 450	168 672	...
Germany, Federal Republic of					
Ilmenite	741	141	110	112	45
Other titanium minerals	2 157	1 621	1 498	1 007	1 096
Metal	2 113	3 920	3 551	177 931	3 990
Oxides	220 186	224 368	209 952	239 809	219 155
Italy					
Titanium minerals	22	3	51	525	...
Metal	939	955	1 461	1 320	...
Oxides	(b) 26 700	(b) *26 200	(b) *33 800	59 335	...
Netherlands					
Ilmenite	1 618	13 400	31 763	4 965	...
Other titanium minerals	27 786	29 014	11 875	7 740	...
Metal	167	276	656	140	...
Oxides (b)	*29 200	*37 100	*42 400	*48 200	...
Spain					
Oxides	17 226	29 230	42 774	...	...
Sweden					
Metal	451	759	567	837	...
Oxides	1 787	1 545	2 204	2 191	...
Czechoslovakia					
Oxides (b)	*5 400	*8 900	—	—	—
Czech Republic					
Oxides (b)	—	—	*9 400	*13 000	...
Estonia					
Metal (b)	—	*400	*100	*250	...
Georgia					
Metal (b)	—	*100	*100	*150	...
Norway					
Titanium minerals	387 682	431 795	454 122	559 078	461 240
Oxides (b)	*20 000	*29 900	*21 900	*18 000	...
Poland					
Oxides (b)	...	*9 100	*8 600	*11 400	...
Russia					
Metal	—	1 265	5 170	(b) *16 200	...
Slovenia					
Oxides (b)	—	*6 900	*14 400	...	...
Soviet Union					
Metal (b)	*4 100	—	—	—	—
Switzerland					
Metal	355	317	240	258	293
Oxides	595	463	537	647	637
Ukraine					
Metal (b)	—	*100	*1 000	*2 200	...
Oxides (b)	—	*100	*600	*2 700	...
Sierra Leone					
Rutile	143 900	147 600	143 500	156 600	...
South Africa					
Titanium minerals (b)	*115 400	*126 800	*225 400	*175 900	...
Titanium slag (b)	*534 000	*661 200	*540 900	*564 700	...
Oxides (b)	*200	*5 100	*7 200	*9 500	...

## Titanium

## Exports of Titanium

tonnes

Country	1991	1992	1993	1994	1995
Canada					
Titanium minerals & slag (b)	*752 100	*949 500	*911 200	*1 163 200	...
Metal	681	441	320	517	731
Oxides	48 243	53 000	51 085	72 272	88 923
Mexico					
Oxides	24 967	36 105	42 960	57 436	...
USA					
Titanium minerals	28 960	35 644	15 917	19 823	33 400
Metal	12 420	8 330	8 225	10 101	11 241
Oxides	190 360	272 611	291 254	354 317	344 380
Brazil					
Titanium minerals	597	633	656	1 071	...
China					
Titanium minerals	(b) 21 500	13 475	16 707	5 496	...
Metal	115	579	203	767	...
Oxides	12 806	10 638	14 928	20 071	...
Hong Kong					
Oxides (c)	9 030	13 071	14 822	22 028	24 477
India (a)					
Ilmenite	98 150	68 295	140 050	177 674	...
Other titanium minerals	2 808	4 254	26 705	9 971	...
Japan					
Titanium minerals	0	12 907	20 006	11 446	...
Metal	8 551	8 976	8 910	11 548	...
Oxides	92 568	75 684	74 806	...	...
Kazakhstan					
Metal (b)	—	*100	*700	*2 200	...
Korea, Republic of					
Titanium minerals	111 135	87 485	147 341	108 040	...
Oxides	6 521	7 377	7 820	11 878	...
Malaysia					
Ilmenite	202 743	157 722	132 422	129 017	...
Singapore					
Oxides	18 595	11 217	10 761	10 353	20 952
of which: Re-exports	3 130	7 378	10 006	7 625	7 019
Sri Lanka					
Ilmenite	20 000	43 000	20 021	55 243	...
Rutile	140	2 035	22 621	882	...
Taiwan					
Oxides	2 451	3 576	4 665	25 200	58 691
Thailand					
Ilmenite	14 168	19 412	10 130	15 023	...
Australia					
Ilmenite	976 000	944 000	962 000	1 083 000	1 075 000
Rutile	174 000	196 000	182 000	210 000	220 000
Leucoxene	11 000	11 000	12 000	18 000	18 000
Oxides (d)	56 415	100 637	112 487	...	123 000

## 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) Years ended 30 June of that stated



## Imports of Titanium

Country	1991	1992	1993	1994	1995
United Kingdom					
Ilmenite	197 930	184 458	223 757	104 384	128 270
Other titanium minerals	98 686	135 730	83 535	172 846	100 275
Titanium slag	57 866	58 991	63 672	67 668	74 027
Metal	13 043	13 855	12 948	15 670	17 697
Oxides	46 502	58 090	58 960	69 448	75 326
Austria					
Metal	312	301	176	208	...
Oxides	13 877	15 523	15 330	16 965	...
Belgium-Luxembourg					
Ilmenite	68 835	75 004	26 120	23 756	...
Other titanium minerals	18 398	27 327	75 564	64 952	...
Metal	691	1 221	957	1 973	...
Oxides	49 136	57 426	54 612	48 617	...
Denmark					
Oxides	12 031	13 461	12 737	16 017	14 917
Finland					
Titanium minerals (b)	*52 400	*36 500	*20 000	...	...
Oxides	3 934	4 911	5 042	...	...
France					
Ilmenite	36 093	85 564	53 503	53 598	...
Other titanium minerals	79 224	116 795	124 166	129 167	...
Titanium slag	139 624	112 820	105 607	131 337	...
Metal	3 566	3 834	2 922	3 252	...
Oxides	69 876	77 509	80 347	90 329	...
Germany, Federal Republic of					
Ilmenite	398 534	466 794	249 987	404 912	351 729
Other titanium minerals	16 589	15 075	27 428	16 810	58 175
Titanium slag	247 401	296 308	233 409	239 540	255 902
Metal	4 299	6 222	4 871	570 979	7 624
Oxides	133 197	147 756	149 506	154 657	160 528
Greece					
Oxides	14 526	15 948	16 555	...	...
Irish Republic					
Oxides	1 194	1 249	5 240	5 915	5 500
Italy					
Ilmenite	25	41 093	75 397	28	...
Other titanium minerals	4 066	3 533	2 082	3 619	...
Titanium slag	61 867	57 277	72 523	79 779	...
Metal	3 273	2 445	3 379	3 169	...
Oxides	76 226	90 192	100 701	120 122	...
Netherlands					
Ilmenite	10 136	43 920	42 001	12 538	...
Other titanium minerals	47 760	74 129	50 642	66 856	...
Metal	474	556	1 336	887	...
Oxides	46 443	46 412	66 497	66 856	...
Portugal					
Oxides	13 480	14 905	7 441	...	...
Spain					
Ilmenite	110 629	106 977	110 571	129 633	...
Other titanium minerals	3 575	2 177	149	2 109	...
Metal	1 535	1 333	625	1 188	...
Oxides	32 400	44 690	51 080	...	...
Sweden					
Titanium minerals	663	265	850	1 422	...
Metal	691	1 236	1 066	1 588	...
Oxides	25 713	23 608	28 192	30 027	...
Bulgaria					
Titanium minerals (b)	*1 300	*1 300	*1 200	*800	...
Croatia					
Oxides	—	1 858	1 684	...	...
Czechoslovakia					
Oxides (b)	*1 900	*1 900	—	—	—
Norway					
Titanium minerals	265	24 617	39 518	38 997	13 444
Oxides	7 544	6 070	7 195	7 959	8 010

## Titanium

## Imports of Titanium

tonnes

Country	1991	1992	1993	1994	1995
Romania					
Titanium minerals	2 115	—	2 543	904	925
Oxides	4 662	4 892	1 350	2 121	3 595
Soviet Union					
Titanium minerals (b)	*6 400	—	—	—	—
Oxides (b)	*10 600	—	—	—	—
Switzerland					
Oxides	17 190	17 589	18 672	20 399	18 667
Turkey					
Titanium minerals	4 456	3 273	3 261	3 933	3 161
Oxides	23 752	27 695	34 718	30 349	38 767
Yugoslavia (f)					
Titanium minerals	(a) —	255	...	...	...
Oxides`	(a) 934	1 079	...	...	...
Algeria					
Oxides	7 932	...	...	...	...
Morocco					
Oxides	4 600	...	...	...	...
South Africa					
Oxides	1 670	4 971	7 544	10 371	8 584
Canada					
Titanium minerals	43 304	6 988	13 782	34 963	33 596
Metal	1 614	1 280	1 773	1 842	2 037
Oxides	30 558	40 451	69 745	111 299	106 322
Mexico					
Ilmenite	106 202	*100 000	92 647	99 524	...
Rutile sand	2 400	2 327	1 622	671	...
Oxides	8 388	15 322	14 675	21 915	...
USA					
Ilmenite	240 897	338 764	388 872	379 700	561 400
Rutile (c)	263 188	315 571	361 486	332 000	319 000
Titanium slag	385 236	606 899	485 517	472 000	388 000
Metal	4 389	7 749	8 721	15 722	23 440
Oxides	165 974	169 360	172 025	175 994	182 968
Argentina					
Titanium minerals	1 336	1 880	1 772	2 204	...
Oxides	...	21 795	22 968	25 444	...
Brazil					
Rutile	1 443	1 571	1 833	845	...
Oxides	21 004	29 746	35 653	40 542	...
Chile					
Oxides	5 313	6 633	8 053	8 662	8 924
Colombia					
Oxides	8 360	12 394	12 986	16 212	...
Uruguay					
Oxides	1 047	1 768	1 736	2 117	...
Venezuela					
Oxides	15 765	14 481	13 521	...	...
China					
Titanium minerals	...	5 839	2 496	962	...
Metal	399	1 156	1 869	1 640	...
Oxides	25 176	40 469	45 054	59 235	...
Hong Kong					
Oxides	18 233	24 737	23 705	32 530	32 600
India (d)					
Oxides	8 476	5 908	13 508	18 094	...
Indonesia					
Oxides	22 499	29 039	34 429	43 499	...
Israel					
Oxides	4 086	5 378	6 361	(b) *4 800	...
Japan					
Titanium minerals	576 003	484 602	514 931	399 800	...
Metal	1 084	1 481	2 316	4 622	...
Oxides	61 061	62 550	75 526	90 666	...

## Imports of Titanium

Country	1991	1992	1993	1994	1995
Jordan					
Oxides	1 968	2 674	2 958	...	...
Korea, Republic of					
Rutile sand	7 431	7 584	9 246	11 446	...
Titanium minerals	92 054	101 260	88 207	76 803	...
Metal	1 592	1 527	2 964	2 978	...
Oxides	45 895	54 612	63 817	80 540	...
Malaysia					
Titanium minerals	23 058	16 713	72 769	...	...
Oxides	19 172	23 122	18 631	...	...
Pakistan (e)					
Oxides	4 373	5 964	6 151	6 515	...
Philippines					
Titanium minerals	1 007	1 980	1 783	2 637	...
Oxides	12 033	15 059	20 240	25 977	...
Saudi Arabia					
Titanium minerals	27 540	30 143	50 048	60 690	...
Oxides	7 977	9 020	4 707	5 981	...
Singapore					
Oxides	14 726	28 600	27 058	11 662	14 289
Taiwan					
Titanium minerals	20 014	11 949	23 234	47 313	84 493
Metal	630	553	697	724	1 213
Oxides	67 250	63 879	73 492	89 327	73 784
Thailand					
Rutile	3 889	3 211	3 723	5 127	...
Other titanium minerals	5 184	4 366	3 120	4 083	...
Oxides	24 759	32 583	34 634	41 582	...
Australia (e)					
Titanium minerals	38	2	544	...	...
Oxides	1 506	2 863	3 448	...	...
New Zealand (e)					
Oxides	6 428	7 535	7 873	9 006	...

## 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) Data for the Federal Republic of Yugoslavia only

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

(c) Including synthetic rutile

(d) Years ended 31 March following that stated

(e) Years ended 30 June of that stated

(f) As from 1992 data is for Serbia and Montenegro only

## Tungsten

## Mine Production of Tungsten

tonnes (metal content)

Country	1991	1992	1993	1994	1995
Austria	994	1 134	506	—	570
Portugal (c)	971	1 126	770	60	870
Czechoslovakia	*25	*20	—	—	—
Russia	—	*4 000	*3 500	*4 000	*5 500
Soviet Union	*8 000	—	—	—	—
Rwanda	243	238	1	...	...
Uganda	51	34	31	8	...
Zaire (b)	*15	*15	*15	...	...
Mexico	194	162	*150	*150	269
USA	200	50	*50	*50	*50
Bolivia	1 065	851	287	462	655
Brazil (a)	223	205	245	155	115
Peru	981	431	308	205	577
China	31 960	25 520	23 000	27 010	20 200
India	*15	*15	*15	*15	...
Japan	240	350	110	—	—
Kazakhstan	—	*200	*150	92	...
Korea, Dem. P.R. of	*1 000	*500	*500	*500	...
Korea, Republic of	780	247	—	—	—
Mongolia	*300	—	—	17	62
Myanmar (b)	275	375	300	200	370
Tajikistan	—	*200	*150	*150	...
Thailand (c)	440	178	203	223	280
Uzbekistan	—	*300	*300	*300	...
Australia (c)	237	159	23	23	...
World total	48 200	36 300	30 600	33 600	30 700

(a) Mainly scheelite

(b) Including tin-wolframite concentrates

(c) Wolframite and scheelite

## Exports of Tungsten

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	1 080	656	573	779	897
Carbide	169	94	52	116	811
Austria					
Metal	1 047	639	646	819	...
Belgium-Luxembourg					
Metal	148	161	233	168	...
France					
Metal	298	416	737	508	...
Carbide	153	236	286	237	...
Germany, Federal Republic of					
Metal	2 167	1 931	1 256	1 482	1 244
Italy					
Metal	327	173	72	271	...
Netherlands					
Tungsten ore	—	149	1 282	1 289	...
Metal	415	244	346	348	...
Portugal					
Tungsten ore	2 878	1 530	2 413	...	...
Spain					
Tungsten ore	132	—	—	73	...
Sweden					
Tungsten ore	217	48	—	—	...
Metal	17	11	10	67	...
Carbide	24	346	456	575	...
Russia					
Tungsten ore (d)	—	—	*0	*5 000	...
Metal (d)	—	*50	*250	*250	...
Switzerland					
Metal	74	125	119	53	127
Turkey					
Tungsten ores & concentrates	11 096	—	—	—	—
Rwanda					
Tungsten ores & concentrates	277	128	141	...	...
Uganda					
Tungsten ore	54	80	114	91	156
Mexico					
Tungsten ores & concentrates	493	96	69	124	...
USA					
Tungsten ores & concentrates	8	33	66	27	10
Metal	1 846	1 199	1 207	1 886	2 031
Ammonium paratungstate (a)	770	470	166	250	238
Carbide	839	749	1 250	1 322	1 670
Bolivia					
Tungsten ore	2 083	1 491	677	836	1 161
Peru					
Tungsten ores & concentrates	*2 100	*1 300	702	771	...
China					
Tungsten ores & concentrates	6 071	2 325	699	1 133	...
Metal	420	637	254	1 059	...
Ammonium paratungstate	9 197	...	9 226	12 946	...
Carbide (d)	*200	*120	*150	*150	...
Hong Kong					
Tungsten ore (c)	1 836	3 052	379	2 611	157
Israel					
Metal (d)	*220	*270	*200	*340	...
Japan					
Metal	1 279	1 050	759	1 348	...
Korea, Republic of					
Metal	538	505	440	352	...
Carbide	633	681	463	727	...
Myanmar (b)					
Tungsten ores & concentrates	*500	*400	*300	...	...

## Tungsten

**Exports of Tungsten**

tonnes

Country	1991	1992	1993	1994	1995
Singapore					
Tungsten ore (c)	1 401	804	687	850	843
Metal	133	125	193	117	143
Thailand					
Tungsten ore	840	218	234	227	...
Australia					
Tungsten ores & concentrates	1 272	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

Country	1991	1992	1993	1994	1995
United Kingdom					
Metal	577	667	962	1 226	1 224
Carbide	237	272	118	298	1 569
Austria					
Tungsten ore	439	110	600	3 014	...
Metal	678	712	455	563	...
Belgium-Luxembourg					
Metal	460	352	398	330	...
Carbide	166	150	139	183	...
Finland					
Metal	7	16	37	...	...
France					
Metal	470	237	322	398	...
Carbide	268	244	147	427	...
Germany, Federal Republic of					
Tungsten ore	566	396	107	604	947
Metal	2 225	1 353	1 535	2 019	2 317
Carbide	876	758	692	752	946
Italy					
Metal	127	144	274	179	...
Carbide	253	263	282	382	...
Netherlands					
Tungsten ore	—	—	217	9	...
Metal	337	98	175	287	...
Spain					
Metal	35	36	75	115	...
Sweden					
Tungsten ore	410	342	18	0	...
Metal	162	205	244	547	...
Carbide	18	94	116	528	...
Soviet Union					
Tungsten concentrates	*3 900	—	—	—	—
Switzerland					
Metal	88	95	62	88	88
Turkey					
Metal	25	19	—	—	—
South Africa					
Tungsten ores & concentrates	60	—	—	—	—
Metal	21	10	81	43	30
Carbide	30	46	64	210	—
Canada					
Metal	144	161	132	168	221
Carbide	290	348	388	421	402
Mexico					
Metal	39	36	163	189	...
USA					
Tungsten ore	14 411	4 411	3 008	6 602	7 416
Metal	3 443	2 419	1 942	2 946	2 950
Ammonium paratungstate (a)	842	378	1 176	848	1 290
Carbide	486	444	326	290	530
Hong Kong					
Tungsten ore	516	1 303	—	1 162	28
India (c)					
Tungsten ore	406	507	560	839	...
Metal	72	82	136	105	...
Indonesia					
Metal	133	80	96	55	...
Japan					
Tungsten ore	1 200	717	459	236	...
Metal	591	320	278	807	...
Korea, Dem. P.R. of					
Tungsten ore (d)	*100	*100	*130	—	...

## Tungsten

**Imports of Tungsten**

tonnes

Country	1991	1992	1993	1994	1995
Korea, Republic of					
Tungsten ores & concentrates	3 412	5 274	41	—	...
Metal	64	72	75	141	...
Malaysia					
Metal	160	296	215	...	...
Singapore					
Tungsten ore	1 334	409	254	858	913
Metal	128	139	200	176	143
Taiwan					
Metal	132	143	140	136	164
Australia (b)					
Metal	41	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	1991	1992	1993	1994	1995
Russia	—	*11 000	*11 000	*10 000	...
Soviet Union	*8 500	—	—	—	—
South Africa	15 478	14 035	15 052	*15 700	*16 800
USA	*1 000	*2 700	*1 100	*1 500	*1 800
China	*4 500	*4 700	*5 000	*5 000	...
World total	29 500	32 400	32 200	32 200	33 600

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	1991	1992	1993	1994	1995
United Kingdom					
Metal	31	36	16	31	0
Austria					
Pentoxide	365	258	1 149	163	...
Belgium-Luxembourg					
Vanadiferous residues	7 107	6 157	3 649	3 533	...
Pentoxide	18	21	25	13	...
Vanadium-titanium pig iron	—	49	1	—	...
Denmark					
Vanadium-titanium pig iron	348	199	1	16	—
France					
Vanadiferous residues	177	120	424	49	...
Pentoxide	43	140	0	361	...
Vanadium-titanium pig iron	100	16	—	—	...
Metal	29	1	1	21	...
Germany, Federal Republic of					
Vanadiferous residues	1 507	1 343	2 596	122	297
Pentoxide	46	66	78	99	70
Vanadium-titanium pig iron	51	77	47	—	—
Metal	239	262	254	374	511
Italy					
Vanadiferous residues	36	282	625	123	...
South Africa					
Pentoxide (b)	24 956	28 054	21 344	...	...
Metal (a)	*150	*770	*730	*700	...
USA					
Pentoxide	1 805	1 126	1 021	1 387	1 239
China					
Vanadiferous residues	—	—	11 123	16 627	...
Pentoxide	(a) *2 100	4 196	6 752	7 421	...

## 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 V<sub>2</sub>O<sub>5</sub> content of vanadiferous residues

## Imports of Vanadium

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Pentoxide	135	46	98	134	143
Metal	193	256	253	61	195
Austria					
Vanadiferous residues	26 058	11 349	50	455	...
Pentoxide	804	734	3 269	1 603	...
Belgium-Luxembourg					
Pentoxide	3 329	3 551	2 853	6 295	...
France					
Pentoxide	178	183	130	231	...
Vanadium-titanium pig iron	1	1	...	43	...
Metal	15	65	91	30	...
Germany, Federal Republic of					
Vanadiferous residues	23 624	13 734	80	14	—
Pentoxide	260	896	3 744	1 874	1 486
Metal	46	139	2	7	5
Italy					
Vanadiferous residues	478	822	201	311	...
Pentoxide	74	128	115	124	...
Slovakia					
Pentoxide (a)	—	—	*200	*380	...
Canada					
Pentoxide	851	1 305	1 325	1 532	2 250
USA					
Vanadiferous residues	4 793	3 578	5 303	2 390	2 746
Pentoxide	352	424	138	460	890
Metal	102	734	817	713	1 008
Brazil					
Pentoxide	657	445	595	602	...
China					
Vanadiferous residues	—	27 302	13 560	20 434	...
Metal	...	1 002	0	3 205	...
Japan					
Pentoxide	4 613	3 538	4 559	4 501	...
Metal	136	110	74	134	...
Korea, Republic of					
Pentoxide	151	201	228	297	...

## 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	1991	1992	1993	1994	1995
United Kingdom	1 078	...	...	...	...
Austria	16 354	15 787	20 014	—	—
Finland	57 310	32 817	22 529	34 888	16 400
France	27 122	16 500	13 800	—	—
Germany, Federal Republic of	54 000	14 300	—	—	—
Greece	30 000	26 200	22 000	17 200	14 500
Irish Republic	187 500	194 100	194 100	194 000	183 500
Italy	37 400	31 000	7 100	22 900	23 100
Spain	264 600	206 300	171 000	150 500	172 300
Sweden	161 170	171 539	168 617	159 858	167 962
Bosnia & Herzegovina	—	*2 000	*350	*300	...
Bulgaria	30 100	29 400	32 000	30 000	30 000
Czechoslovakia	7 800	*6 200	—	—	—
Czech Republic	—	—	1 500	100	—
Georgia	—	*2 000	*2 000	*2 000	*2 000
Macedonia	33 300	22 000	24 100	21 500	20 800
Norway	19 631	21 498	15 093	15 586	11 180
Poland	176 000	151 700	150 900	151 000	155 700
Romania	*26 300	*25 800	*27 800	33 200	34 700
Russia	—	158 000	154 000	147 000	131 100
Slovakia	—	—	2 900	—	—
Slovenia	—	1 550	...	1 000	—
Soviet Union	*580 000	—	—	—	—
Turkey	32 879	27 500	*32 500	34 000	65 300
Yugoslavia (b)	74 000	19 781	9 704	7 300	11 600
Algeria	4 300	4 000	3 600	2 800	3 000
Morocco	27 290	22 462	65 383	79 000	78 500
Namibia	35 638	36 192	36 355	33 414	30 209
South Africa	64 425	71 928	77 096	76 361	73 700
Tunisia	5 200	2 200	1 320	12 900	40 000
Zaire	42 400	22 300	*10 000	600	1 200
Zambia	24 800	19 200	19 700	1 000	—
Canada	1 156 582	1 324 675	1 004 367	1 010 712	1 113 395
Honduras	38 280	32 702	24 276	23 611	27 117
Mexico	300 706	289 119	366 432	358 953	354 565
USA	546 600	551 600	513 100	597 600	678 100
Argentina	39 253	40 978	31 395	26 933	32 104
Bolivia	129 778	143 936	122 638	100 742	146 131
Brazil	130 000	149 000	171 800	145 900	136 000
Chile	30 998	29 730	29 435	31 038	35 403
Peru (a)	627 824	602 614	664 552	690 017	688 620
China	750 000	758 100	729 300	990 300	930 000
India	104 900	152 800	156 300	147 800	154 500
Iran	31 100	65 000	60 800	115 585	*80 000
Japan	133 004	134 510	118 599	100 653	95 274
Kazakhstan	—	258 000	207 000	170 100	155 000
Korea, Dem. P.R. of	*120 000	*120 000	*120 000	*90 000	*90 000
Korea, Republic of	22 039	21 883	13 800	7 100	7 700
Myanmar	1 000	1 000	800	1 300	2 000
Saudi Arabia	4 000	—	—	—	...
Thailand	91 761	75 328	69 500	59 400	13 500
Uzbekistan	—	*30 000	*30 000	*31 000	*24 000
Vietnam	*15 000	*15 000	*12 000	*11 900	*12 000
Australia	1 023 000	1 019 000	990 000	955 000	937 000
World total	7 300 000	7 200 000	6 700 000	6 900 000	7 000 000

(a) Recoverable

(b) As from 1992 data is for Serbia and Montenegro only

## Production of Slab Zinc

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	100 651	96 813	102 391	101 300	105 998
Austria	16 310	5 973	6 838	—	—
Belgium	297 600	217 200	209 600	211 200	211 100
Finland	172 020	162 798	170 299	173 200	176 600
France	299 497	318 800	309 800	308 600	313 900
Germany, Federal Republic of	345 700	383 100	380 900	359 900	332 500
Italy	256 000	252 600	253 600	255 900	260 200
Netherlands	(a) 211 082	(a) 218 410	206 000	212 600	208 000
Portugal	2 100	2 200	3 500	4 200	4 200
Spain	262 200	351 900	341 600	298 700	358 200
Bulgaria	58 730	57 820	67 000	76 700	79 700
Macedonia	—	52 728	51 931	41 984	34 500
Norway	124 916	130 300	134 200	136 800	130 800
Poland	126 067	134 600	149 100	157 600	166 000
Romania	8 700	13 400	14 700	21 600	29 300
Russia	—	186 400	204 000	138 000	166 400
Soviet Union	*540 000	—	—	—	—
Turkey	17 400	18 800	18 500	18 567	17 050
Ukraine	—	13 000	15 000	14 000	5 000
Yugoslavia (b)	(c) 87 372	14 182	6 985	4 000	11 500
Algeria	29 500	31 500	33 400	24 300	24 300
South Africa	91 500	83 200	96 200	92 800	98 700
Zaire	28 200	18 800	4 152	600	500
Zambia	6 600	7 300	4 700	100	—
Canada	660 552	671 702	659 881	690 965	720 145
Mexico	189 082	151 615	209 931	209 200	222 748
USA	375 733	399 490	381 754	356 000	363 000
Argentina	38 566	37 292	33 570	38 014	38 567
Brazil	163 000	187 414	194 750	194 300	195 033
Peru	154 572	126 399	168 398	181 780	158 987
China	612 000	718 900	891 300	1 077 600	1 054 600
India	85 600	128 100	141 700	156 400	158 500
Japan	730 829	729 454	695 687	665 502	663 562
Kazakhstan	—	*230 000	*230 000	*185 000	165 000
Korea, Dem. P.R. of	*130 000	*120 000	*120 000	*100 000	*95 000
Korea, Republic of	285 830	255 929	276 384	271 100	279 200
Thailand	62 435	61 314	58 881	71 300	59 500
Uzbekistan	—	*80 000	*70 000	*40 000	*70 000
Australia	324 000	332 000	316 000	323 000	320 000
World total	6 900 000	7 000 000	7 200 000	7 200 000	7 300 000

(a) Sales

(b) As from 1992 data is for Serbia and Montenegro only

(c) Excluding data from August to December for the Republic of Croatia

## Exports of Zinc

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	2 398	122	120	57	26
Unwrought	15 469	13 073	19 147	18 221	14 327
Unwrought alloys	14 763	13 781	15 798	21 946	25 060
Scrap	25 919	23 526	30 471	26 558	24 469
Austria					
Ore	3 738	28 767	26 096	4 040	...
Unwrought (a)	1 850	3 007	2 899	3 570	...
Scrap	2 652	3 114	2 094	1 922	...
Belgium-Luxembourg					
Ore	40 128	56 017	192 055	185 019	...
Unwrought	130 677	158 001	182 655	148 415	...
Unwrought alloys	72 480	49 462	114 785	132 272	...
Scrap	14 450	15 510	10 133	16 696	...
Denmark					
Unwrought (a)	215	46	0	65	57
Scrap	4 272	4 616	4 730	7 115	6 371
Finland					
Unwrought	148 919	138 759	137 582	141 693	125 500
Unwrought alloys	4 458	3 648	3 531	...	...
Scrap	6 795	7 780	6 127	...	...
France					
Ore	12 208	7 600	12 555	7 791	46 051
Unwrought	81 443	146 765	182 289	129 894	67 365
Unwrought alloys	5 008	3 567	1 805	3 952	3 893
Scrap	21 098	25 267	19 613	20 669	25 513
Germany, Federal Republic of					
Ore	35 456	50 182	5 781	29 539	43 315
Unwrought	73 921	117 948	105 168	109 632	65 389
Unwrought alloys	28 335	25 890	15 145	19 331	25 337
Scrap	28 825	28 341	18 568	20 218	24 141
Greece					
Ores & concentrates	53 541	70 073	85 699	26 578	...
Scrap	733	2 013	545	...	...
Irish Republic					
Ores & concentrates	357 817	402 805	408 052	340 281	325 529
Italy					
Ore	1 079	6 387	65	48	103
Unwrought	34 771	34 254	16 425	17 026	13 696
Unwrought alloys	5 186	6 925	8 514	11 218	9 810
Scrap	2 476	1 257	2 587	4 558	...
Netherlands					
Unwrought	140 255	143 306	131 555	164 897	176 100
Unwrought alloys	8 339	7 276	13 133	26 929	...
Scrap	21 473	20 688	17 079	15 812	...
Portugal					
Unwrought (a)	1 908	17 077	8 968	...	...
Spain					
Ore	105 880	116 641	121 905	89 009	...
Unwrought (a)	144 472	239 110	212 073	163 512	...
Sweden					
Ore	322 221	328 931	361 800	321 097	...
Unwrought (a)	225	512	268	287	...
Scrap	5 891	6 135	6 150	6 141	...
Bulgaria					
Unwrought (a) (b)	*21 700	*24 700	*12 000	*17 700	...
Croatia					
Scrap	—	529	590	...	...
Czechoslovakia					
Ore (b)	*4 000	*9 800	—	—	—
Estonia					
Unwrought (b)	—	...	...	*1 500	...
Hungary					
Scrap	...	2 825	1 895	2 359	...

## Exports of Zinc

Country	1991	1992	1993	1994	1995
Norway					
Ore	5 561	4 607	0	546	—
Unwrought	109 278	109 257	122 293	119 626	111 572
Unwrought alloys	3 982	4 020	4 594	4 882	8 571
Scrap	2 675	2 524	710	646	747
Poland					
Unwrought	25 992	60 105	69 500	81 808	68 200
Russia					
Ores & concentrates	14 500	24 637	40 300	229 173	100 020
Unwrought (a)	—	3 961	48 535	72 269	62 495
Slovenia					
Ores & concentrates	—	6 239	3 463	2 083	...
Soviet Union					
Unwrought (a) (b)	*18 100	—	—	—	—
Switzerland					
Unwrought (a)	364	132	495	639	522
Scrap	1 267	1 440	1 531	1 941	1 755
Turkey					
Ores & concentrates	16 615	13 088	12 867	17 332	69 954
Ukraine					
Unwrought (a) (b)	—	*400	*5 000	*6 600	...
Yugoslavia (d)					
Unwrought (a)	(g) 8 630	1 790	...	...	...
Algeria					
Unwrought (a)	12 984	8 742	...	11 915	...
Morocco					
Ore	36 082	38 000	111 780	151 161	...
Namibia					
Concentrates	65 517	75 246	71 361	24 508	22 997
South Africa					
Ores & concentrates (c)	3 737	—	9 770	2 514	...
Unwrought	3 900	3 300	7 600	...	...
Tunisia					
Ore	10 000	5 200	4 566	17 856	...
Zaire					
Unwrought	*30 200	5 400	3 700	...	...
Zambia					
Unwrought	6 300	6 100	4 500	4 000	—
Canada					
Ores & concentrates (c)	571 501	694 505	447 128	382 489	604 408
Unwrought	520 533	510 087	493 391	552 733	536 041
Unwrought alloys	8 130	6 139	4 772	7 504	2 763
Scrap	33 327	31 972	40 846	54 925	41 263
Honduras					
Ores & concentrates (c)	38 280	32 702	24 276	23 611	27 117
Mexico					
Ores & concentrates	252 253	300 734	292 310	316 072	...
Unwrought	88 890	55 000	88 699	76 535	...
USA					
Ore (c)	490 216	546 041	405 350	...	...
of which: Re-exports	151 511	234 009	70 435	...	...
Unwrought (a)	6 333	6 030	9 092	14 468	15 315
Scrap	73 179	57 024	33 851	39 647	38 014
Argentina					
Ores & concentrates	7 158	5 164	—	25	*3 000
Unwrought	14 458	7 934	5 132	9 814	...
Bolivia					
Ore	267 599	286 969	245 539	210 031	288 889
Brazil					
Unwrought	49 032	280 817	70 370	59 548	51 649
Chile					
Concentrates	59 848	50 486	73 548	50 700	90 684
Peru					
Concentrates	876 052	930 753	959 161	976 000	968 517
Unwrought (a)	94 726	70 534	84 882	97 100	80 700

## Zinc

## Exports of Zinc

tonnes

Country	1991	1992	1993	1994	1995
China					
Ores & concentrates	76 960	65 312	117 489	279 187	154 771
Unwrought (a)	6 284	84 860	205 565	269 704	181 223
Hong Kong					
Unwrought (a)	57 816	66 270	92 719	98 357	105 319
of which: Re-exports	56 799	64 302	85 104	87 610	105 319
Scrap	9 333	10 343	11 058	23 481	28 744
of which: Re-exports	7 327	8 328	10 260	22 553	24 890
Japan					
Unwrought	18 147	30 124	32 467	38 635	27 970
Unwrought alloys	4 242	4 316	3 605	2 503	1 962
Scrap	8 141	8 459	7 130	4 702	...
Kazakhstan					
Ore	—	13 370	10 640	...	10 400
Unwrought	—	74 000	84 000	...	114 635
Korea, Dem. P.R. of					
Unwrought (a) (b)	*57 900	*37 800	*25 400	*19 400	...
Korea, Republic of					
Unwrought (a)	27 626	58 408	107 407	84 910	35 249
Malaysia					
Scrap	1 139	1 670	2 819	...	...
Myanmar (e)					
Concentrates	3 871	2 500	...	...	...
Philippines					
Scrap	514	186	74	55	...
Saudi Arabia					
Scrap	911	2 700	...	43	...
Singapore					
Unwrought	12 920	12 896	12 106	24 700	217 539
of which: Re-exports	11 954	12 337	11 601	24 312	216 716
Scrap	1 001	591	628	2 561	2 244
Taiwan					
Unwrought (a)	1 080	5 869	3 762	4 226	7 722
Uzbekistan					
Unwrought (b)	—	*900	*10 400	*10 200	...
Australia					
Ores & concentrates	1 406 000	1 489 000	1 414 000	1 385 000	1 349 000
Unwrought	253 000	259 000	259 000	257 000	225 000
Scrap (f)	4 023	4 771	5 730	...	...
New Zealand (f)					
Scrap	389	879	1 333	924	...

## 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) As from 1992 data is for Serbia and Montenegro only

(e) Years ended 31 March following that stated

(f) Years ended 30 June of that stated

(g) Data for the Federal Republic of Yugoslavia only



## Imports of Zinc

Country	1991	1992	1993	1994	1995
United Kingdom					
Ores & concentrates	207 171	185 766	213 502	243 051	214 849
Unwrought	120 120	122 639	118 921	124 578	145 219
Unwrought alloys	1 987	2 792	8 129	5 743	5 725
Scrap	2 634	2 848	4 944	3 759	2 370
Austria					
Ore	12 206	6 301	3 559	199	...
Unwrought	20 324	36 462	40 924	42 783	...
Unwrought alloys	7 289	7 055	6 304	7 667	...
Scrap	1 023	1 294	926	1 269	...
Belgium-Luxembourg					
Ore	692 011	428 254	400 268	520 721	...
Unwrought (a)	46 464	150 940	192 253	141 742	...
Scrap	17 870	19 376	10 957	13 312	...
Denmark					
Unwrought	13 587	16 341	12 053	11 601	13 483
Unwrought alloys	2 752	1 841	378	926	552
Scrap	182	113	477	510	148
Finland					
Ore	236 902	259 342	274 978	337 393	...
Unwrought (a)	573	2 697	598	427	...
France					
Ore	630 641	624 440	541 624	632 892	622 848
Unwrought	82 204	97 872	87 677	115 493	134 749
Unwrought alloys	22 033	27 523	37 430	50 897	46 025
Scrap	5 971	5 768	3 994	7 068	13 602
Germany, Federal Republic of					
Ore	624 814	640 414	697 969	612 293	588 759
Unwrought	270 008	283 247	254 482	243 410	227 545
Unwrought alloys	22 584	23 275	19 955	54 727	63 322
Scrap	17 855	20 399	14 081	13 837	12 053
Greece					
Unwrought (a)	17 198	14 129	15 257	17 934	...
Irish Republic					
Unwrought (a)	2 031	1 120	2 644	2 177	1 083
Scrap	108	21	28	0	—
Italy					
Ore	411 633	443 267	412 192	505 943	457 915
Unwrought	71 238	82 483	88 842	91 256	113 679
Unwrought alloys	16 653	15 279	12 889	19 170	20 657
Scrap	5 577	10 392	13 402	14 684	...
Netherlands					
Ore	410 911	457 031	407 843	388 960	...
Unwrought	24 831	29 160	153 541	131 890	208 400
Unwrought alloys	1 128	522	277	339	...
Scrap	5 664	5 210	5 391	4 692	...
Portugal					
Unwrought (a)	17 416	17 579	14 532	12 217	...
Scrap	2 240	225	627	...	...
Spain					
Ore	130 553	401 067	378 437	341 715	...
Unwrought	6 542	1 826	1 275	941	3 500
Unwrought alloys	4 966	4 487	5 207	5 797	...
Scrap	2 332	933	193	87	...
Sweden					
Unwrought	33 364	29 993	29 136	31 334	23 500
Unwrought alloys	2 091	2 147	7 061	7 823	...
Scrap	205	60	177	60	...
Bulgaria					
Ore (h)	*41 500	*56 600	*30 500	*109 800	...
Croatia					
Unwrought (a)	—	1 664	1 428	...	...
Czechoslovakia					
Unwrought (a)	...	23 355	—	—	—
Czech Republic					
Unwrought (a)	—	—	13 170	14 884	...

## Zinc

## Imports of Zinc

tonnes

Country	1991	1992	1993	1994	1995
Georgia					
Ores & concentrates (h)	—	...	...	*5 200	...
Hungary					
Unwrought (g)	...	13 001	10 772	13 133	...
Iceland					
Unwrought (a)	167	163	139	...	...
Norway					
Ore	160 116	171 760	170 678	149 168	123 148
Unwrought (a)	435	556	2 169	2 174	1 835
Scrap	5 619	3 864	2 177	2 703	2 167
Poland					
Unwrought	860	475	(a) (h) *3 100	2 602	...
Romania					
Unwrought (a)	4 584	6 073	3 161	1 503	1 725
Russia					
Ore	32 214	128	128 543	69 373	—
Unwrought (a)	—	4 455	1 387	4 335	6 212
Slovakia					
Unwrought (a)	—	—	24 392	...	...
Slovenia					
Unwrought (a)	—	6 413	6 581	6 651	...
Scrap	—	673	594	88	...
Switzerland					
Unwrought	19 632	18 130	17 685	18 655	21 010
Unwrought alloys	2 597	2 110	2 429	2 832	3 062
Turkey					
Unwrought	(a) 20 714	31 481	27 506	23 531	38 821
Ukraine					
Unwrought	—	...	...	8 371	6 340
Yugoslavia (j)					
Concentrates	(i) 19 187	7 787	...	...	...
Unwrought (a)	(i) 2 865	1 704	...	...	...
Algeria					
Ores & concentrates	...	63 768	...	...	...
Egypt					
Unwrought (b)	8 004	7 643	...	4 902	...
Kenya					
Unwrought (a)	...	6 445	...	...	...
Morocco					
Unwrought (a)	5 132	4 832	6 316	6 996	...
South Africa					
Unwrought (a)	2 477	4 318	1 046	348	7 518
Scrap	411	...	99	195	567
Tunisia					
Unwrought (a)	4 554	4 482	2 927	5 197	...
Canada					
Ores & concentrates (c)	176 805	151 679	108 957	152 305	176 628
Unwrought	4 687	5 679	8 699	12 490	11 766
Scrap	655	1 526	1 974	1 049	2 128
Costa Rica					
Unwrought (a)	3 623	4 660	6 180	5 306	...
El Salvador					
Unwrought (a)	683	534	812	178	...
Guatemala					
Unwrought (a)	550	244	1 377	1 323	...
Honduras					
Unwrought (a)	1 551	578	*500	275	...
USA					
Ore (c)	170 616	488 956	116 287	29 543	13 000
Unwrought (a)	549 369	644 491	723 753	789 160	848 910
Scrap	31 596	31 176	38 079	51 676	42 260
Argentina					
Unwrought	4 567	4 612	8 998	5 553	5 000

## Imports of Zinc

Country	1991	1992	1993	1994	1995
Brazil					
Ores & concentrates	111 903	119 358	118 104	112 795	...
Unwrought (a)	10 955	8 943	11 976	*9 900	...
Chile					
Unwrought (a)	4 748	6 931	7 711	7 621	...
Colombia					
Unwrought (a)	13 926	15 062	18 097	16 018	...
Ecuador					
Unwrought (a)	3 909	2 529	2 679	...	...
Uruguay					
Unwrought	1 717	1 383	1 747	1 622	...
Venezuela					
Unwrought	12 727	14 206	11 016	(a) 15 613	...
Unwrought alloys	4 156	4 628	8 097	...	...
China					
Unwrought (a)	11 705	42 153	40 100	48 616	...
Scrap	...	9 230	11 531	22 036	...
Hong Kong					
Unwrought	27 210	29 506	39 000	36 338	32 331
Unwrought alloys	60 588	57 472	71 711	76 562	97 609
Scrap	6 592	8 605	10 543	26 344	32 833
India (d)					
Ores & concentrates	15 073	60 170	45 996	49 905	...
Unwrought	38 365	19 927	24 600	30 552	...
Unwrought alloys	231	236	253	318	...
Scrap	638	148	492	1 905	...
Indonesia					
Unwrought	48 160	56 008	68 109	84 255	...
Unwrought alloys	8 562	11 890	9 499	7 303	...
Scrap	326	342	867	1 865	...
Iran (e)					
Unwrought	14 419	16 948	13 679	...	...
Israel					
Unwrought (a)	9 116	10 021	8 292	(h) *12 200	...
Japan					
Ore	1 156 089	1 233 112	1 181 060	992 025	1 074 924
Unwrought	142 194	105 831	84 248	64 156	116 986
Unwrought alloys	12 342	9 557	8 822	8 718	...
Scrap	338	248	843	1 472	...
Jordan					
Unwrought	868	1 336	2 074	1 177	...
Korea, Dem. P.R. of					
Ores & concentrates (h)	*19 100	*10 500	*100 200	*64 300	...
Korea, Republic of					
Ores & concentrates	468 242	471 588	462 011	576 231	550 846
Unwrought (a)	22 353	25 079	46 501	71 999	52 503
Scrap	327	24	192	122	...
Macao					
Unwrought	128	40	...	542	...
Malaysia					
Unwrought	22 223	20 216	23 905	(a) 36 079	...
Unwrought alloys	8 150	10 220	10 932	...	...
Pakistan (f)					
Unwrought	17 876	13 305	13 254	16 228	...
Philippines					
Unwrought (a)	31 038	39 064	41 418	44 797	...
Saudi Arabia					
Unwrought	(a) 9 123	10 148	11 779	11 253	...
Singapore					
Unwrought	36 039	73 874	134 549	167 146	38 708
Scrap	1 042	1 254	2 567	4 735	3 511
Sri Lanka					
Unwrought (a)	1 603	1 206	1 630	1 678	...
Taiwan					
Unwrought	125 946	128 828	170 832	170 234	205 648
Unwrought alloys	30 790	15 610	21 928	22 320	25 227
Scrap	134 190	125 200	79 139	68 872	66 870

## Zinc

**Imports of Zinc**

tonnes

Country	1991	1992	1993	1994	1995
Thailand					
Ores & concentrates	33 865	40 428	43 209	52 997	...
Unwrought	5 260	8 492	20 681	28 207	...
Unwrought alloys	5 988	3 271	5 319	4 935	...
Uzbekistan					
Ores & concentrates (h)	—	*7 300	...	*16 400	...
Australia (f)					
Ores & concentrates	23 767	22 176	23 578	...	...
Scrap	119	828	792	...	...
New Zealand (f)					
Unwrought (a)	17 428	18 731	20 926	21 404	...

## 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) Including scrap
- (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
- (h) BGS estimates, based on known exports from certain countries
- (i) Data for the Federal Republic of Yugoslavia only
- (j) As from 1992 data is for Serbia and Montenegro only

**Production of Zirconium Minerals**

Country	1991	1992	1993	1994	1995
Soviet Union	*65 000	—	—	—	—
Ukraine	—	*75 000	*70 000	*65 000	...
South Africa	*200 000	*220 000	*220 000	*210 000	*250 000
USA	103 140	108 156	111 000	*120 000	*120 000
Brazil (a)	18 590	16 874	13 252	17 064	16 343
China	*16 500	*16 500	*16 500	*10 000	...
India	*18 200	*18 000	*20 000	*20 000	...
Malaysia	5 579	2 608	2 184	1 656	3 790
Sri Lanka	26 123	13 368	15 296	22 321	...
Thailand	2 573	1 723	707	326	...
Australia	292 000	355 000	413 000	511 000	506 000
World total	748 000	827 000	882 000	977 000	896 000

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

## Zirconium

## Exports of Zirconium

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom					
Concentrates	1 357	1 262	2 429	2 457	2 400
Metal	56	245	83	99	313
Belgium-Luxembourg					
Concentrates	144	172	367	159	...
Metal	45	39	27	48	...
France					
Concentrates	816	713	692	1 659	...
Germany, Federal Republic of					
Concentrates	1 879	1 016	2 379	3 110	3 607
Metal	82	158	80	173	216
Italy					
Concentrates	4 827	8 945	9 858	13 636	...
Metal	1 223	947	610	1 759	...
Netherlands					
Concentrates	21 041	21 664	10 349	14 544	...
Spain					
Concentrates	32	96	265	(e) 1 205	...
Zirconium sand	2 061	3 430	1 574	...	...
Sweden					
Metal	101	172	76	58	...
South Africa					
Concentrates (a)	*139 400	*145 300	*178 100	*217 600	...
USA					
Concentrates	31 490	32 418	36 001	33 692	42 441
Metal	1 415	1 731	1 502	1 220	1 688
Brazil					
Concentrates	4 002	1 006	1 104	930	...
Hong Kong					
Concentrates (d)	...	47 970	37 025	55 991	71 027
Malaysia					
Concentrates	4 698	1 698	1 006	1 841	...
Australia					
Concentrates	324 000	(b) 310 000	(c) 348 000	504 000	514 000

## 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

Country	1991	1992	1993	1994	1995
United Kingdom					
Concentrates	36 388	37 708	57 432	39 728	56 196
Metal	122	147	1 385	399	458
Austria					
Concentrates	1 434	729	1 003	1 404	...
Belgium-Luxembourg					
Concentrates	1 142	1 836	2 898	3 679	...
Metal	212	287	209	201	...
Finland					
Concentrates	1 721	2 776	1 111	...	...
France					
Concentrates	46 167	43 273	38 561	56 158	...
Metal	208	449	497	187	...
Germany, Federal Republic of					
Concentrates	1 879	1 016	2 379	52 286	65 239
Metal	418	474	309	379	383
Italy					
Concentrates	85 198	66 656	98 431	96 848	...
Metal	200	86	59	106	...
Netherlands					
Concentrates	52 198	33 753	33 503	28 329	...
Portugal					
Concentrates	1 828	1 479	...	...	...
Spain					
Concentrates	41 226	52 930	52 149	61 115	...
Zirconium sand	9 951	8 668	...	...	...
Sweden					
Metal	525	264	214	198	...
Bulgaria					
Concentrates (a)	*500	*500	*500	*400	...
Soviet Union					
Concentrates (a)	*2 700	—	—	—	—
Turkey					
Concentrates	61	428	305	278	149
Zirconium sand	...	...	11 787	14 340	18 718
Canada					
Concentrates	7 102	8 172	9 521	12 622	17 788
Metal	270	286	341	337	556
Mexico					
Zirconium sand	7 981	9 651	10 174	12 672	...
USA					
Concentrates	34 688	42 772	70 035	81 964	93 601
Metal	520	557	395	625	736
Brazil					
Concentrates	3 768	5 098	9 994	10 316	...
China					
Concentrates	...	99 192	98 607	125 770	...
Metal	...	488	484	569	...
Hong Kong					
Concentrates	...	51 978	42 217	63 313	85 572
Indonesia					
Concentrates	985	1 469	3 284	3 692	...
Japan					
Concentrates	148 343	129 703	112 916	129 226	...
Metal	676	624	605	610	...
Korea, Republic of					
Concentrates	21 445	11 820	9 841	13 109	...
Metal	74	88	77	111	...
Malaysia					
Concentrates	2 075	2 612	4 182	...	...
Philippines					
Zirconium sand	511	419	329	176	...

## Zirconium

**Imports of Zirconium**

tonnes

Country	1991	1992	1993	1994	1995
Taiwan					
Concentrates	8 004	9 645	11 193	15 971	14 150
Zirconium sand	8 297	9 147	7 314	10 409	8 745
Thailand					
Concentrates	1 904	1 204	1 261	453	...

## 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	1991	1992	1993	1994	1995
Portugal	*4	*4	*4	*4	*4
Russia	—	*1 100	*800	*800	*800
Soviet Union	*1 300	—	—	—	—
Madagascar	*3	7	*5	*3	*3
Namibia	6	0	15	0	*15
Zambia	1	1	*1	1	*1
Zimbabwe	29	23	*0	*0	*0
USA	4 339	4 826	4 939	4 330	5 040
Argentina	27	*30	*30	...	...
Brazil	*850	*850	*850	*850	*850
China	*1 400	*1 400	*1 400	*1 400	*1 400
Kazakhstan	—	*100	*100	*100	*100

**Production of Borates**

tonnes

Country	1991	1992	1993	1994	1995
Russia	—	...	...	*190 000	*190 000
Soviet Union	*160 000	—	—	—	—
Turkey	1 120 810	1 038 054	1 124 484	1 139 980	1 768 919
USA (a)	1 240 000	1 009 000	1 055 000	1 110 000	*1 110 000
Argentina	115 644	124 955	146 349	215 021	244 933
Bolivia	7 932	18 131	11 990	10 433	6 891
Chile	97 135	202 716	117 072	85 935	211 312
Peru	26 390	26 613	36 472	41 987	*45 000
China (b)	*93 000	*127 000	*100 000	*120 000	*120 000
Kazakhstan	—	*100 000	*90 000	*80 000	*80 000

Note(s):

(1) In addition to the countries listed, the Federal Republic of Germany and Iran are believed to produce borates

(a) Sold or used by producers

(b) B<sub>2</sub>O<sub>3</sub> equivalent

**Production of Germanium Metal**

tonnes

Country	1991	1992	1993	1994	1995
Soviet Union (b)	*15	*12	*10	...	...
USA (a)	*15	*13	*10	*10	*10
China	*12	*8	1	1	...
Japan	3	3	3	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	1991	1992	1993	1994	1995
France	14 000	13 600	10 980	12 500	14 400
Italy	3 919	1 211	—	—	—
Norway	44 300	30 400	27 300	27 600	32 000
Russia	—	*40 000	*30 000	35 400	37 500
Soviet Union	*80 000	—	—	—	—
Ukraine	—	15 000	14 900	12 000	13 000
Yugoslavia (b)	(a) 5 360	4 055	—	—	—
Canada	35 500	25 800	23 000	28 900	*35 000
USA	131 288	136 947	132 144	128 475	*140 000
Brazil	7 800	7 300	9 700	8 800	*8 000
China	6 000	10 500	13 200	13 233	*13 000
Japan	11 559	7 119	7 471	3 000	—
Kazakhstan	—	*20 000	*20 000	*10 000	...

(a) Excluding data from August to December for the Republic of Croatia

(b) As from 1992 data is for Serbia and Montenegro only

**Production of Nepheline Syenite**

tonnes

Country	1991	1992	1993	1994	1995
Norway	*292 000	*334 000	*300 000	*280 000	*270 000
Russia	—	*1 000 000	*1 394 000	...	...
Soviet Union	*1 600 000	—	—	—	—
South Africa	20 966	174 864	...	...	...
Canada	484 000	554 000	550 000	601 000	672 000

**Production of Perlite**

tonnes

Country	1991	1992	1993	1994	1995
Greece	655 899	*575 000	548 574	468 699	440 000
Italy	*70 000	*65 000	*65 000	*65 000	*60 000
Armenia	—	*50 000	*10 000	*5 000	*6 000
Czechoslovakia (a)	40 719	*40 000	—	—	—
Hungary	87 750	40 290	65 801	*70 000	*90 000
Slovakia	—	—	*50 000	*50 000	*50 000
Soviet Union	*80 000	—	—	—	—
Turkey	133 942	192 500	147 864	164 582	185 638
Mexico	48 860	42 637	34 568	31 918	29 471
USA	711 000	762 000	691 000	664 000	813 000
Argentina	25 211	16 514	9 367	21 201	20 058
Iran	6 275	5 000	5 000	443	...
Japan	*203 000	*203 000	*200 000	*200 000	*200 000
Philippines	2 894	*2 800	19 779	*20 000	*20 000
Australia	*5 000	*5 000	*5 000	*5 000	*5 000
New Zealand	1 674	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

**Production of Selenium Metal**

tonnes

Country	1991	1992	1993	1994	1995
Belgium	*250	*250	*250	*250	*250
Finland	37	32	32	29	*30
Germany, Federal Republic of	*110	*125	*120	*120	*115
Sweden	23	37	*50	*50	*30
Yugoslavia (c)	(b) 64	58	28	*30	*30
Zambia (d)	22	32	27	23	18
Canada	227	345	542	566	553
USA	260	243	283	360	373
Chile (a)	66	63	69	43	51
Peru	12	14	17	18	15
China	*50	*48	*63	*65	*65
Japan	537	573	541	613	548
Philippines	39	30	42	41	40

Note(s):

(1) 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) Excluding data from August to December for the Republic of Croatia

(c) As from 1992 data is for Serbia and Montenegro only

(d) Years ended 31 March following that stated

**Production of Strontium Minerals**

tonnes

Country	1991	1992	1993	1994	1995
United Kingdom	2 000	2 000	*2 000	—	—
Spain	*75 000	*65 000	*50 000	*50 000	*50 000
Turkey	70 000	37 940	43 700	*25 000	*25 000
Algeria	*5 400	*5 400	*5 400	*5 400	*5 400
Mexico	62 180	61 097	71 903	111 485	138 345
Argentina (a)	3 176	2 237	4 806	8 484	9 325
Iran (b)	28 500	13 138	17 082	*20 000	*20 000
Pakistan	1 472	1 448	1 684	*1 500	*1 500

## 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	1991	1992	1993	1994	1995
Canada	16	25	27	42	91
USA	50	50	50	50	50
Peru	13	19	17	25	30
Japan	57	57	47	47	45

## 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	1991	1992	1993	1994	1995
France	2 479	2 880	1 539	890	857
Germany, Federal Republic of	1 207	232	116	47	*35
Portugal	27	29	33	24	25
Spain	195	186	183	254	255
Czechoslovakia	1 778	1 539	—	—	—
Czech Republic	—	—	1 018	537	611
Hungary	417	430	380	413	*200
Russia	—	*2 640	2 399	2 968	*2 250
Soviet Union	*10 500	—	—	—	—
Ukraine	—	*1 000	*1 000	1 000	*1 000
Gabon	678	594	509	589	640
Namibia	2 450	1 685	1 668	1 896	2 007
Niger	2 964	2 965	2 913	2 964	2 918
South Africa	1 725	1 671	1 703	1 616	1 443
Canada	8 161	9 298	9 154	9 644	10 518
USA	3 059	2 171	1 178	1 289	2 324
Argentina	18	124	126	80	58
Brazil	—	—	*50	*50	*50
China	*800	955	780	*800	*800
India	*200	*230	*290	*200	*200
Kazakhstan	—	2 802	2 700	2 240	*2 300
Uzbekistan	—	2 680	2 600	2 015	*1 500
Australia	3 776	2 334	2 256	2 208	3 712
World total	40 400	36 400	32 600	31 700	33 700
World total (U <sub>3</sub> O <sub>8</sub> equivalent)	47 700	43 000	38 500	37 400	39 800

## Production of Vermiculite

tonnes

Country	1991	1992	1993	1994	1995
Russia	—	*60 000	*50 000	*40 000	...
Soviet Union	*85 000	—	—	—	—
Egypt (c)	157	217	457	1 659	...
Kenya	2 300	2 279	*2 300	*2 300	...
South Africa	214 656	170 399	213 847	223 478	221 748
Zimbabwe	2 319	4 300	5 032	8 184	...
USA (a)	180 000	190 000	190 000	177 000	*170 000
Brazil (b)	24 680	*20 000	*20 000	*20 000	*20 000
India	1 768	1 610	1 410	*1 500	...
Japan	*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

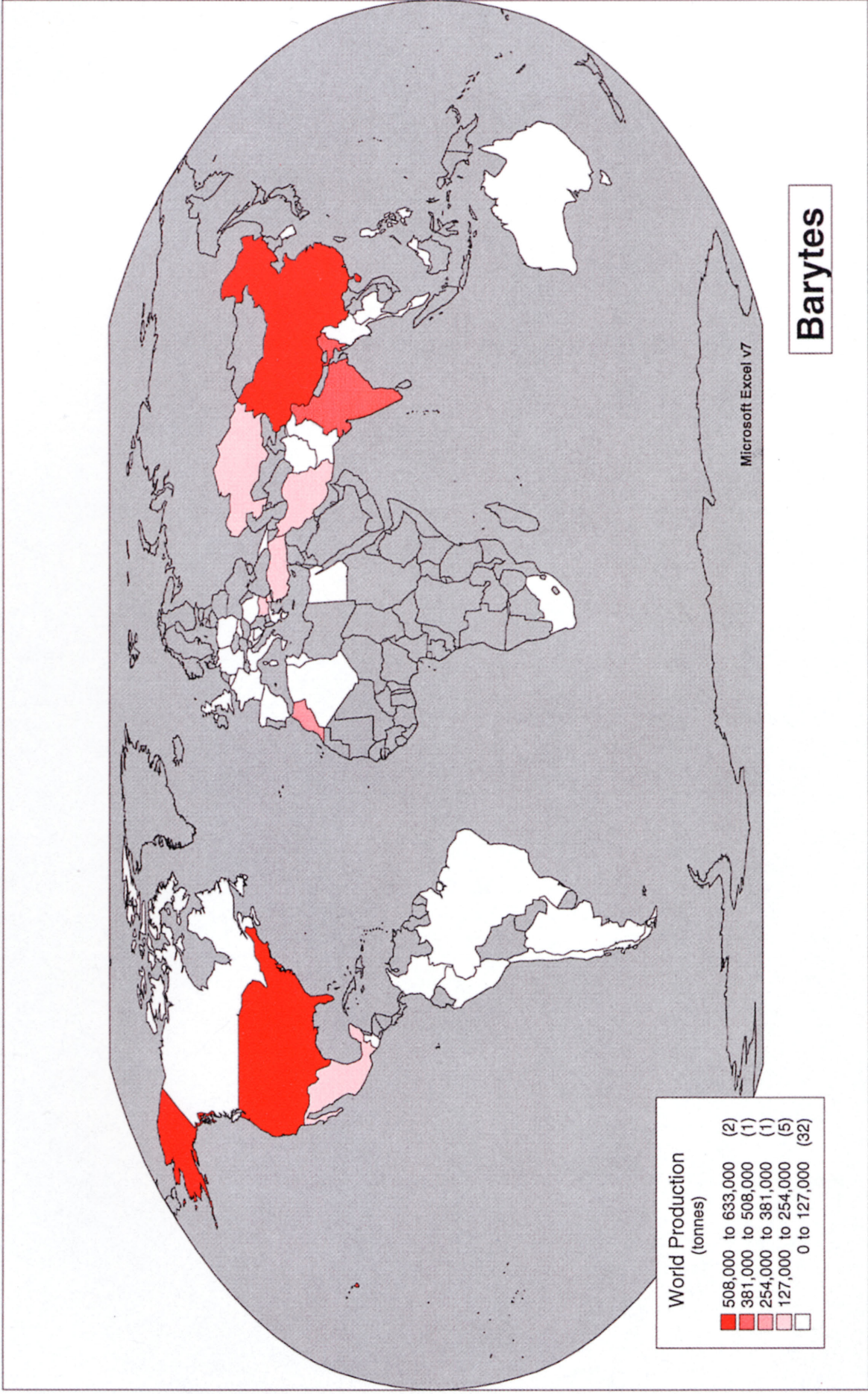
**Production of Wollastonite**

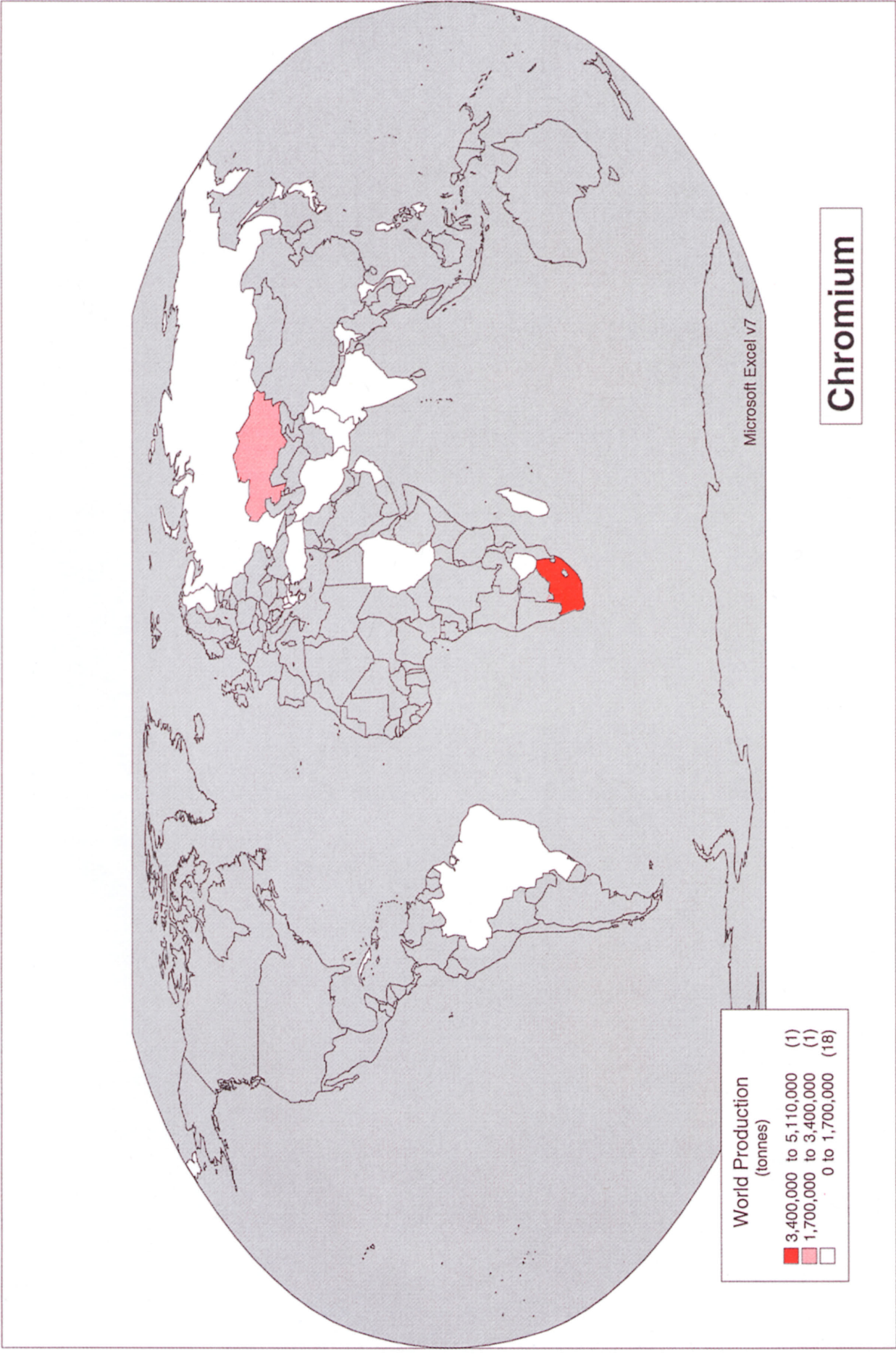
tonnes

Country	1991	1992	1993	1994	1995
Finland	27 829	27 928	26 656	28 000	30 000
Namibia	...	...	...	1 309	977
Mexico	13 877	27 392	35 800	*29 000	*29 000
USA	*110 000	*120 000	*120 000	*130 000	*130 000
China	*70 000	*100 000	*120 000	...	...
India	61 358	*62 000	80 400	*80 000	...

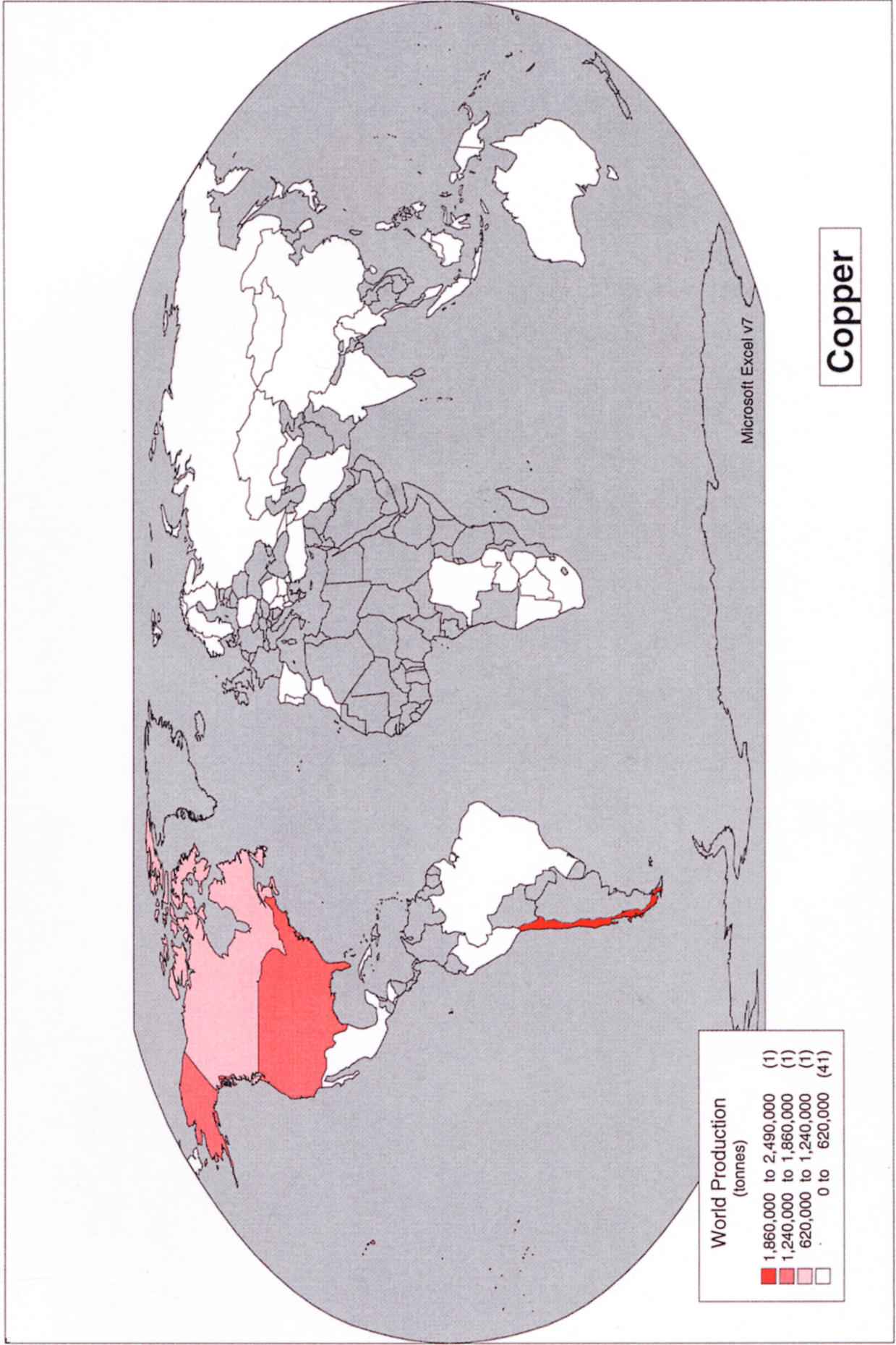
Note(s):

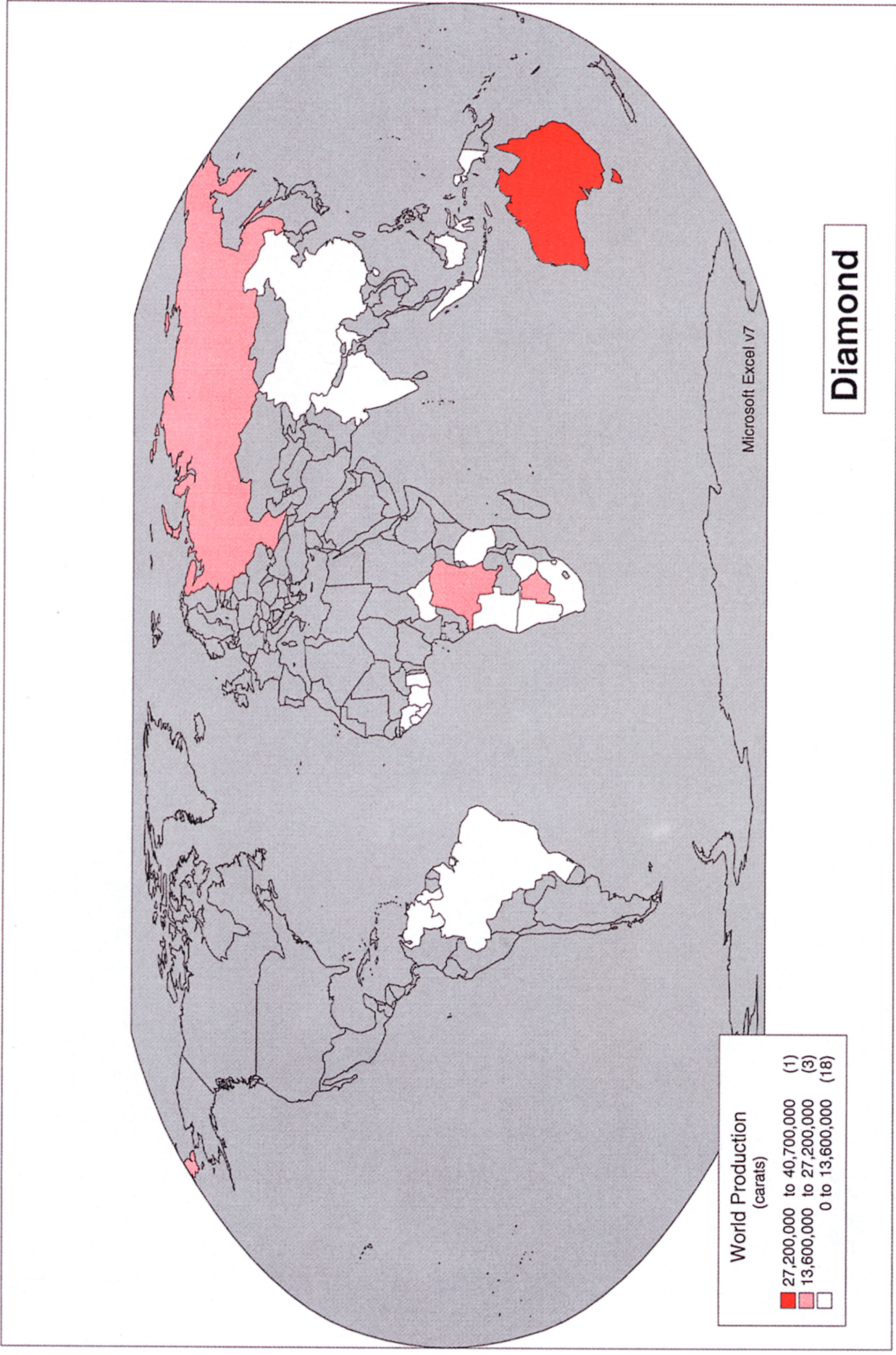
(1) In addition to the countries listed, Japan, Namibia and Turkey are believed to produce wollastonite

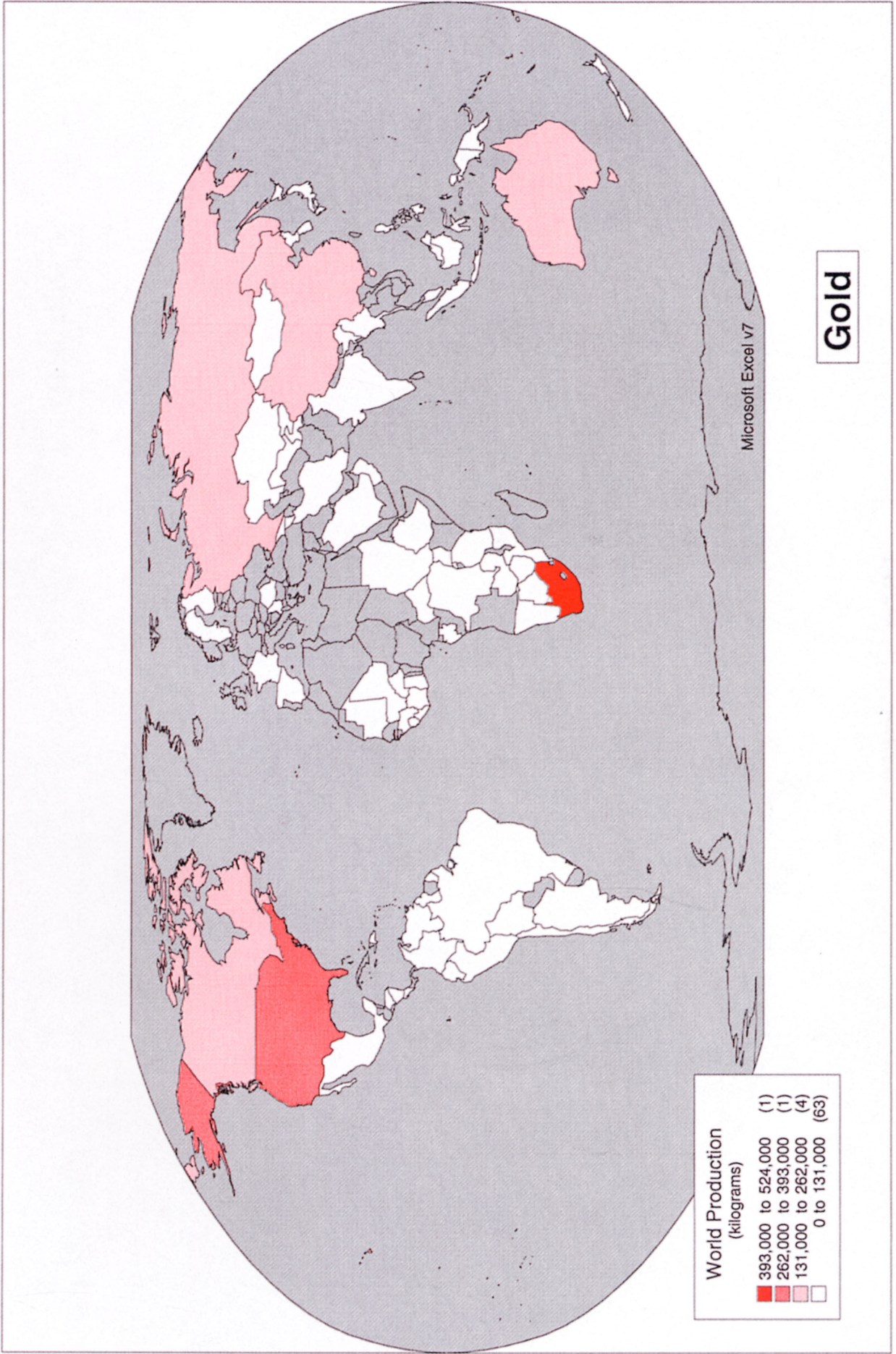


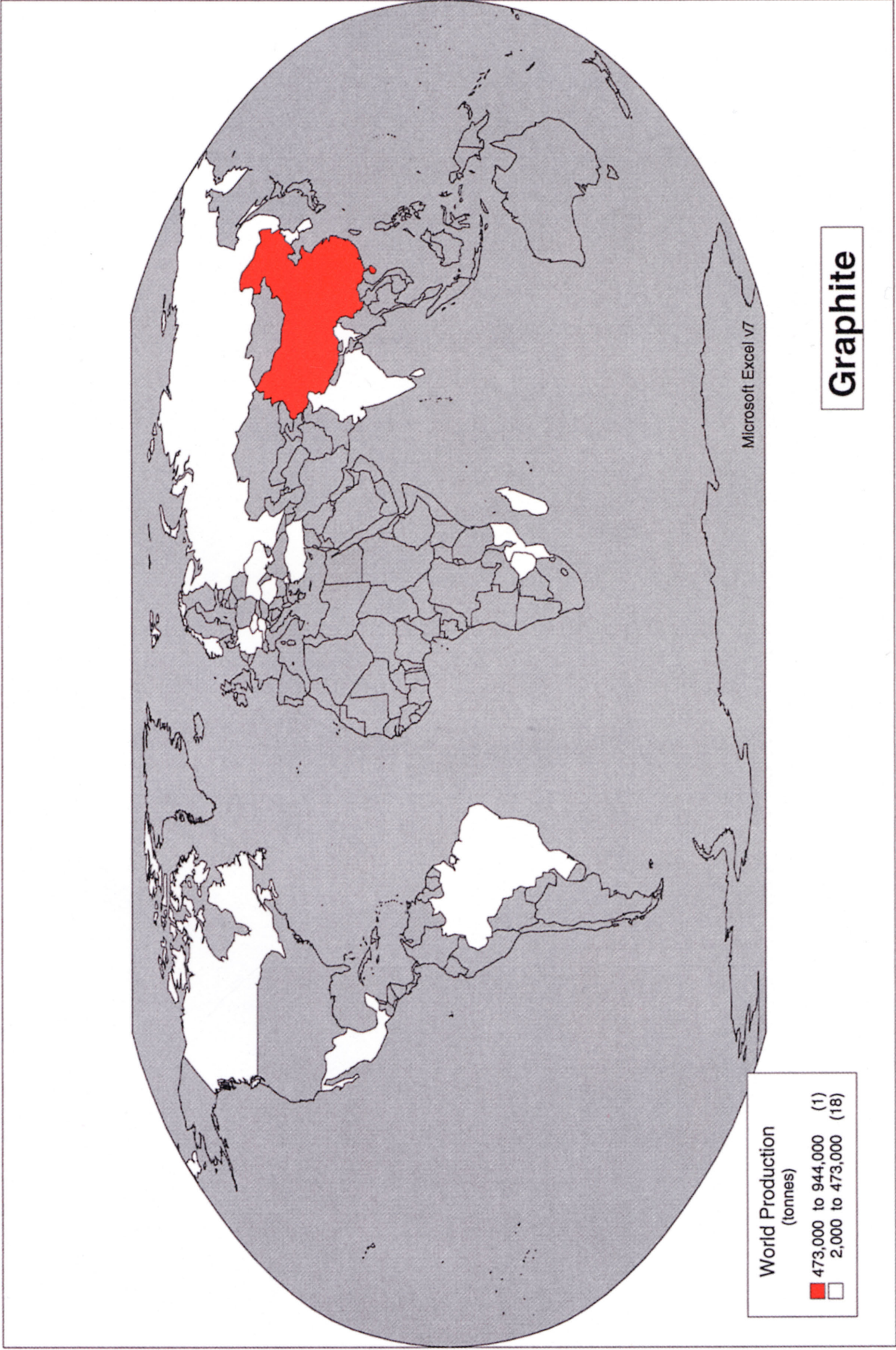


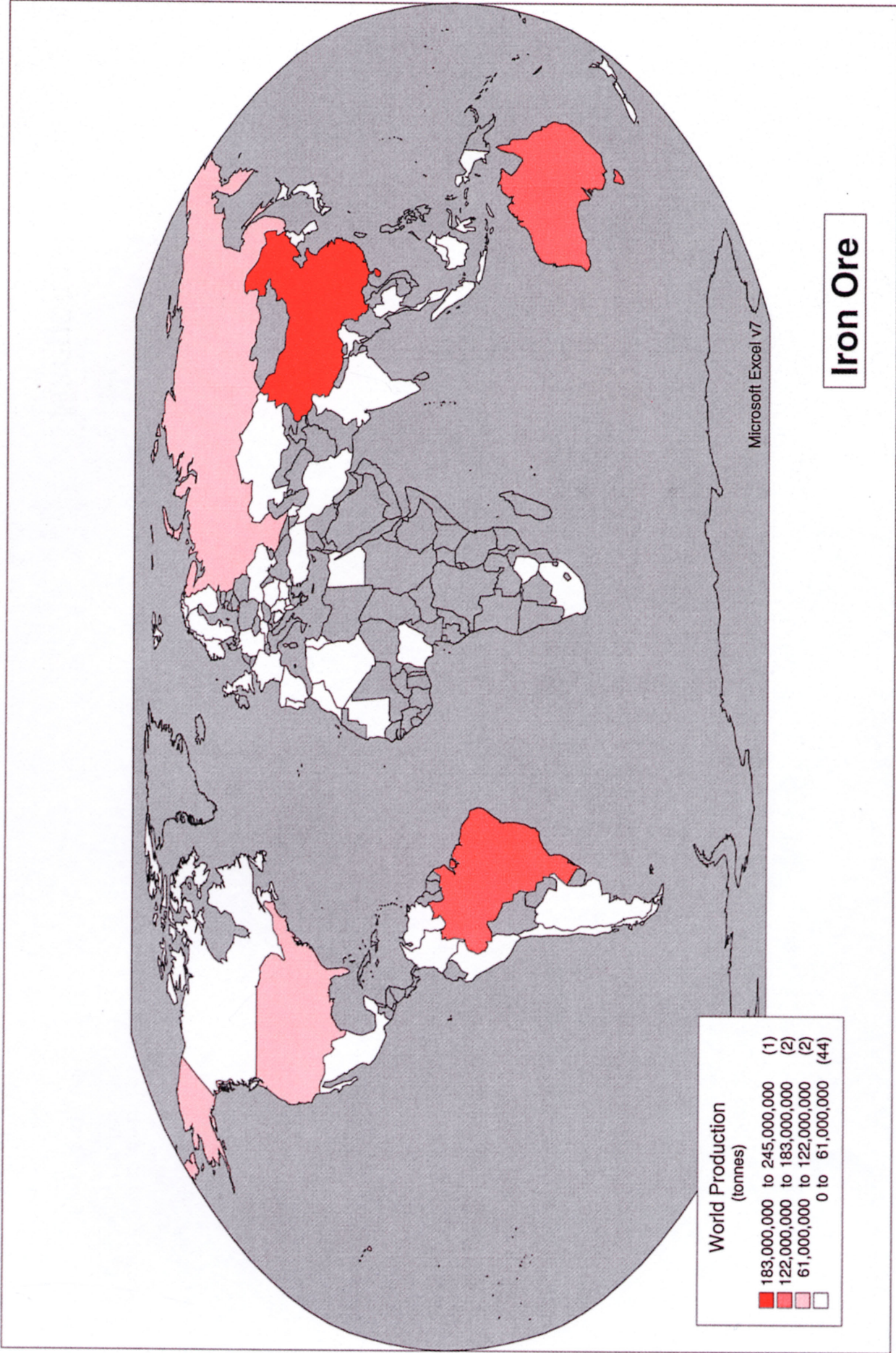


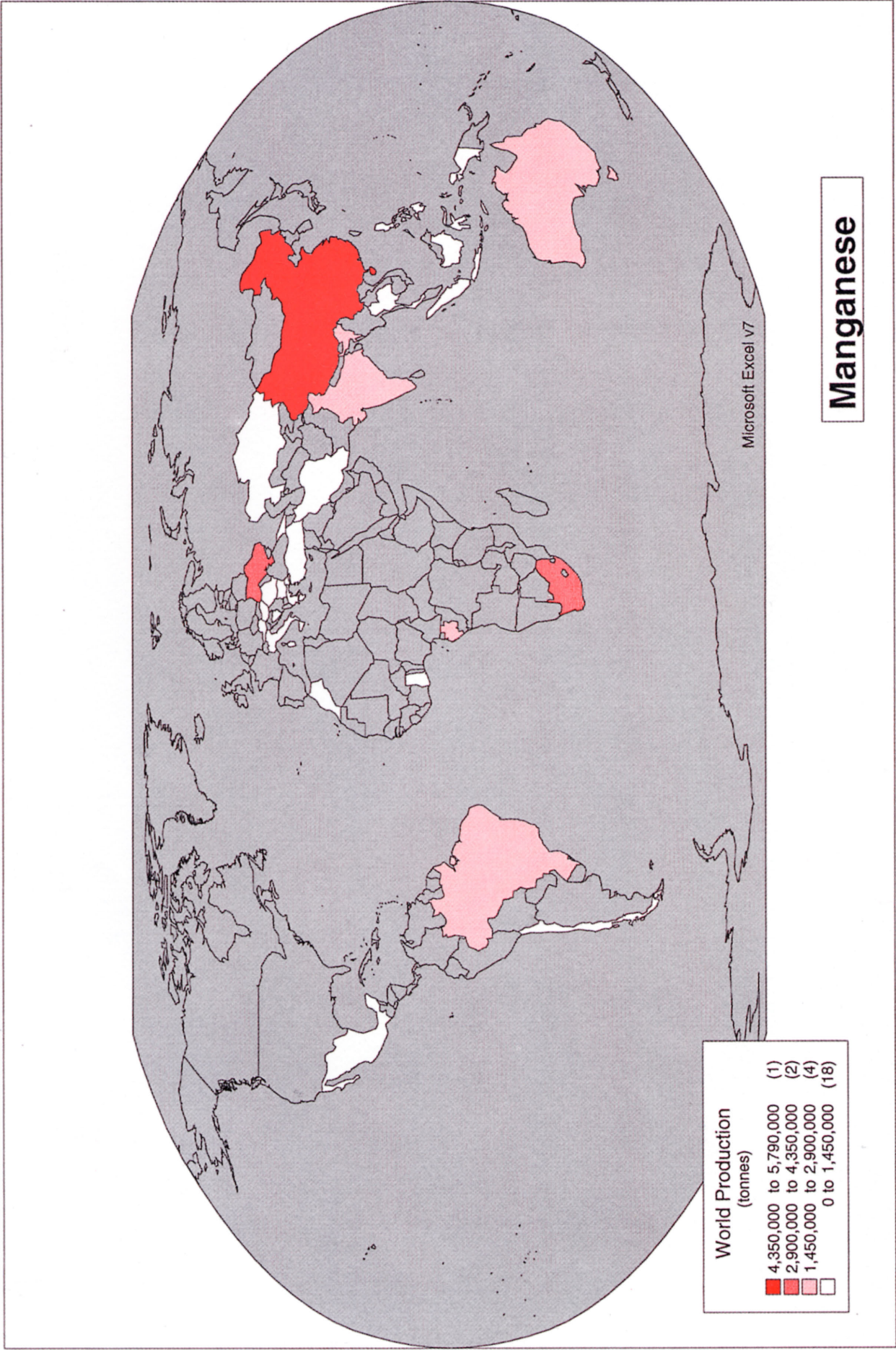


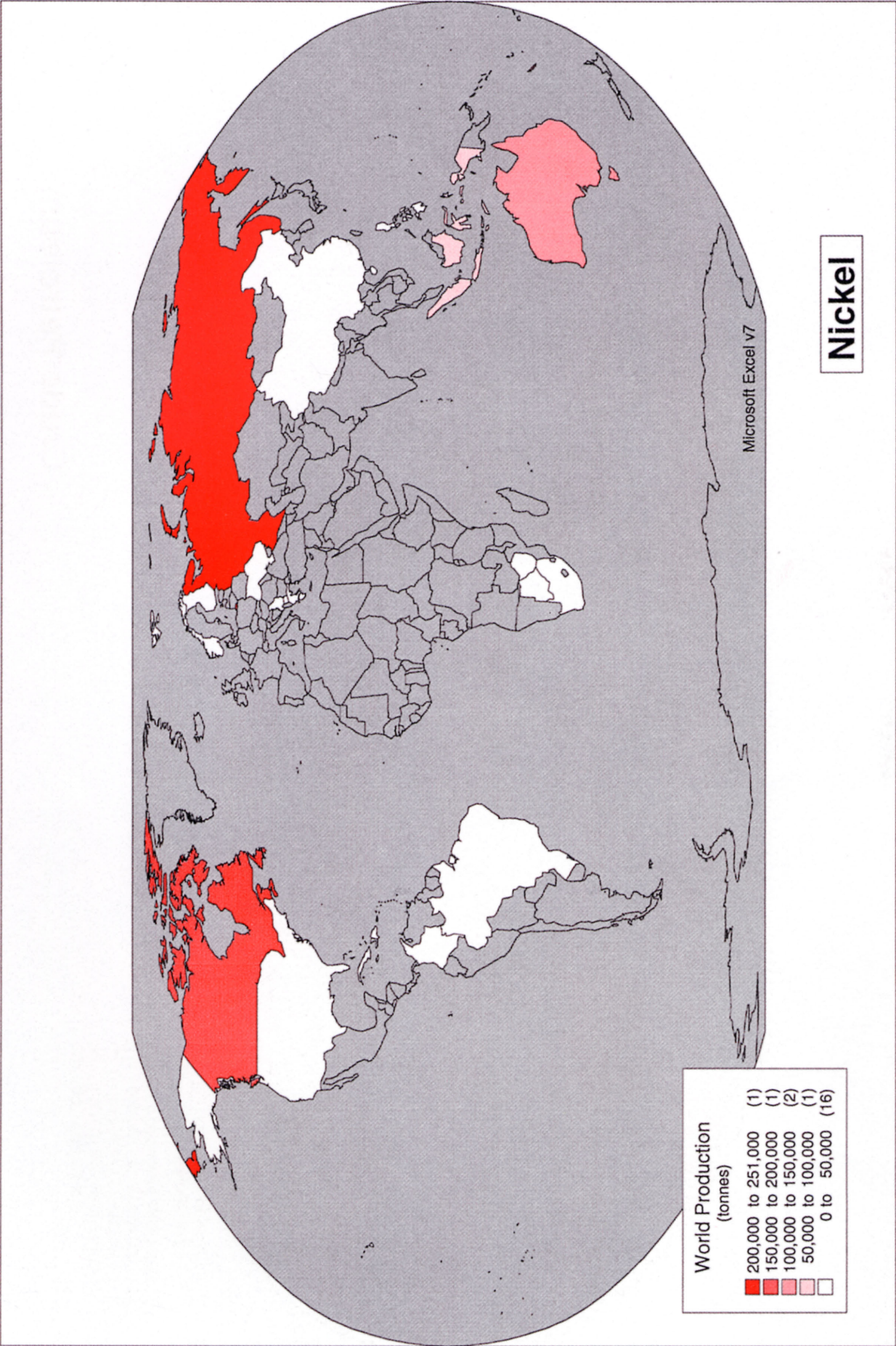


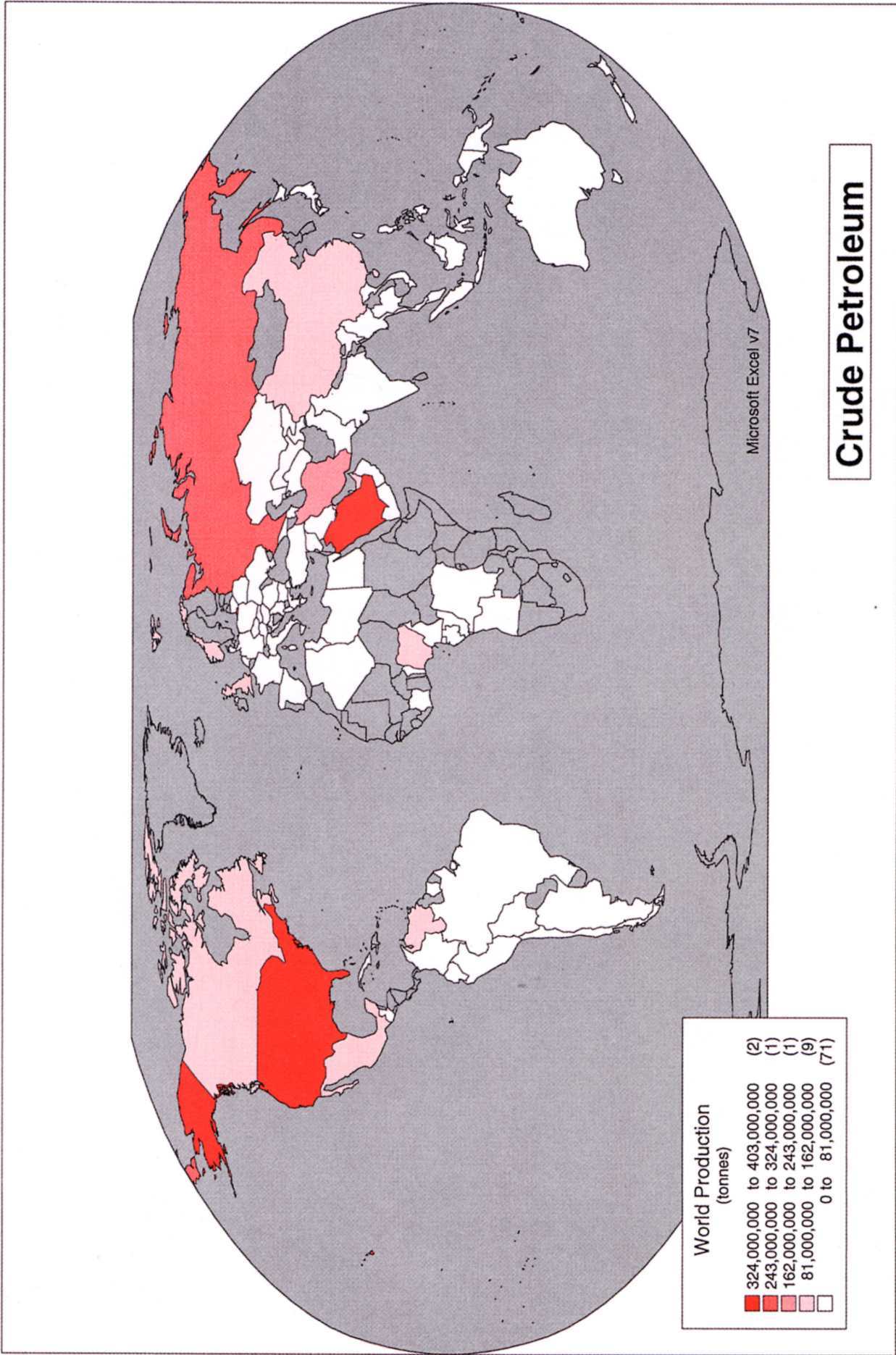












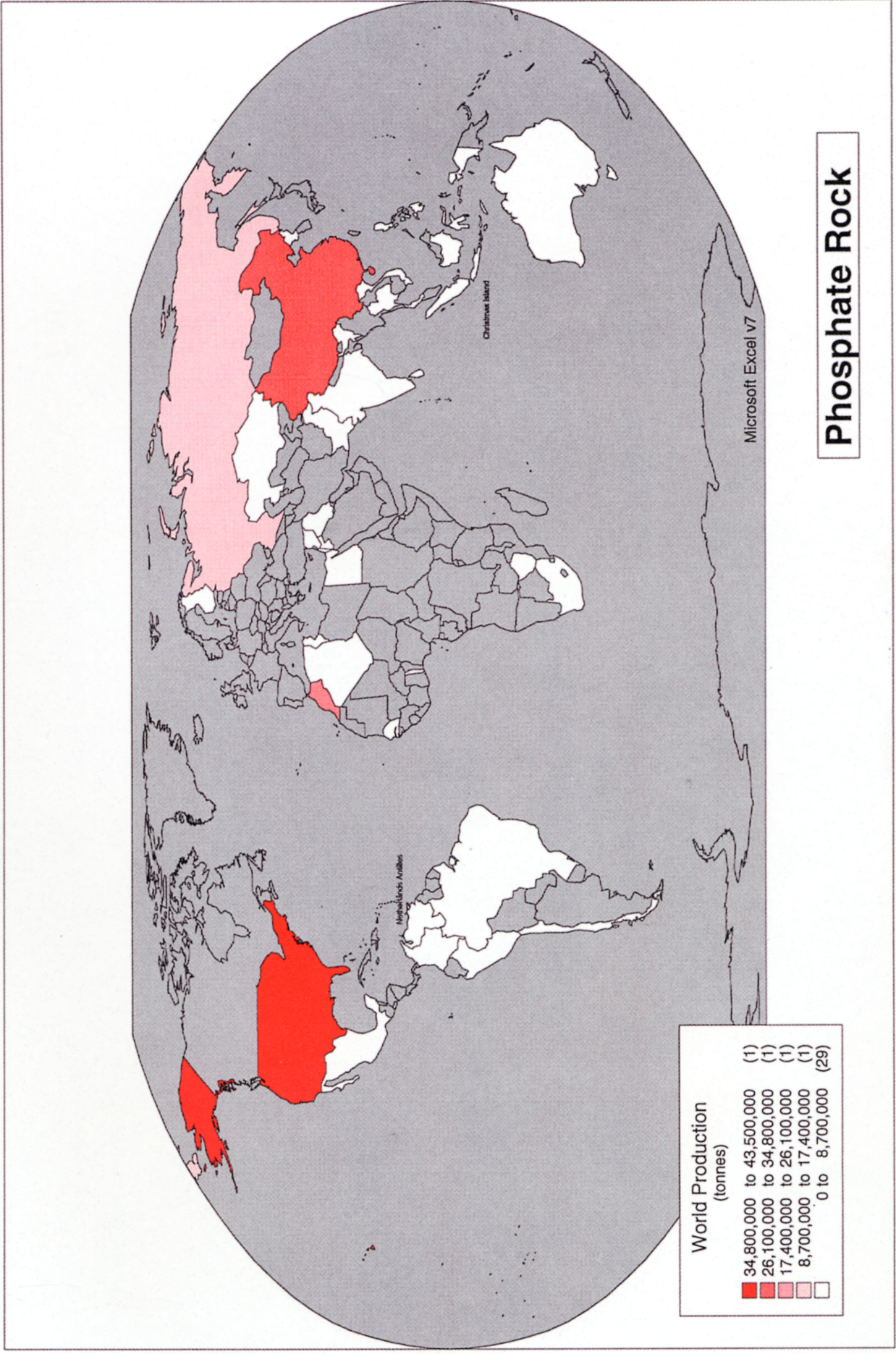
World Production (tonnes)

324,000,000 to 403,000,000	(2)
243,000,000 to 324,000,000	(1)
162,000,000 to 243,000,000	(1)
81,000,000 to 162,000,000	(9)
0 to 81,000,000	(71)

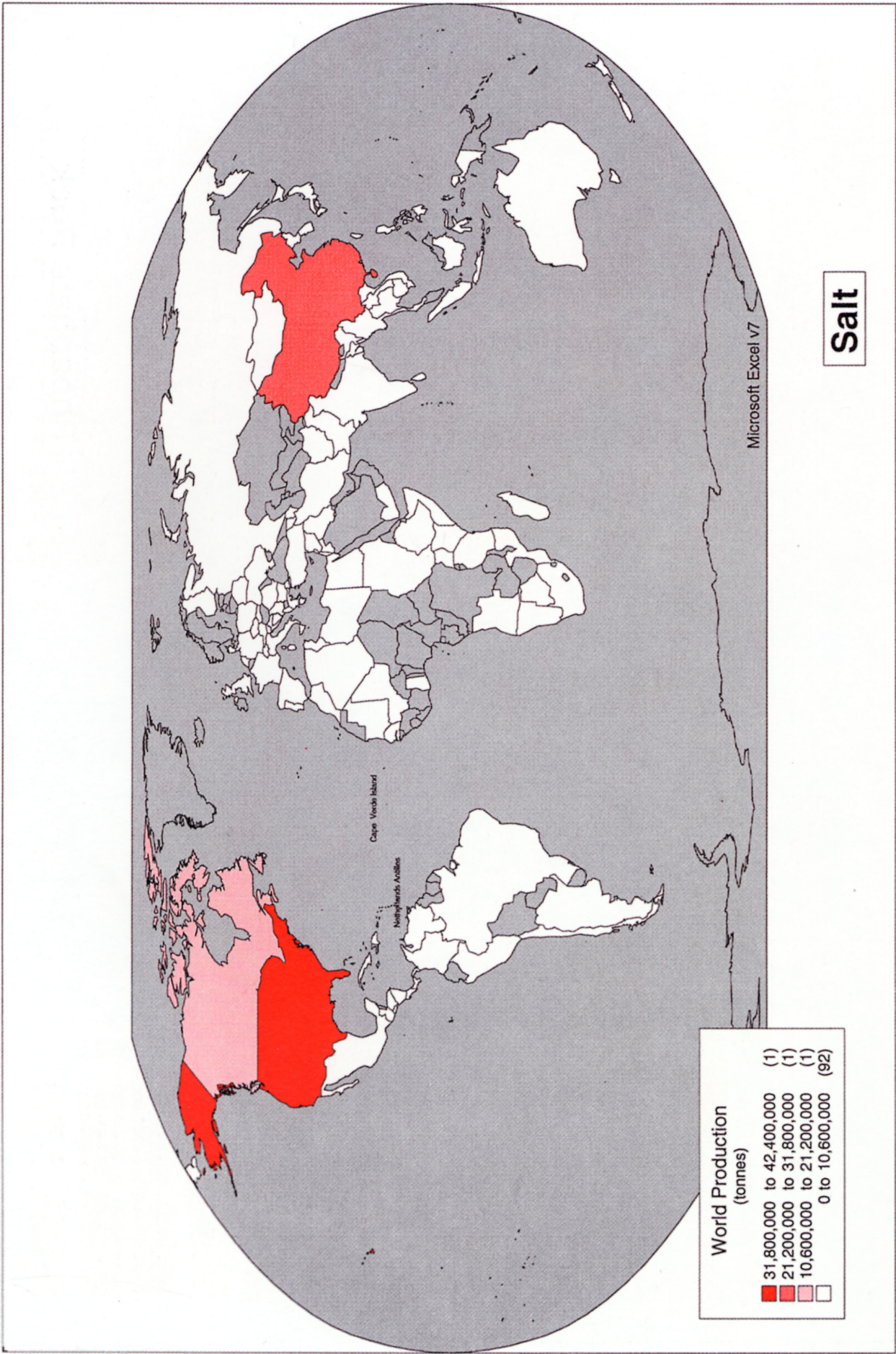
**Crude Petroleum**

Microsoft Excel v7

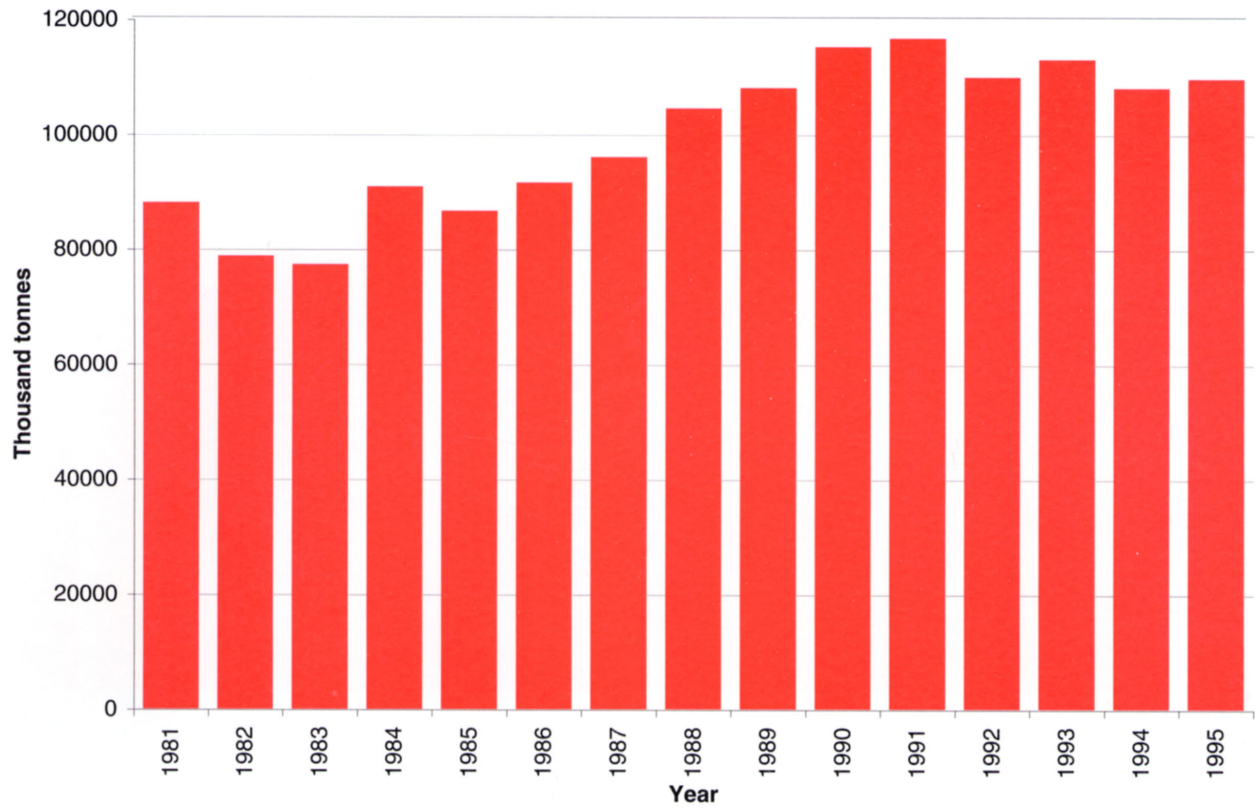




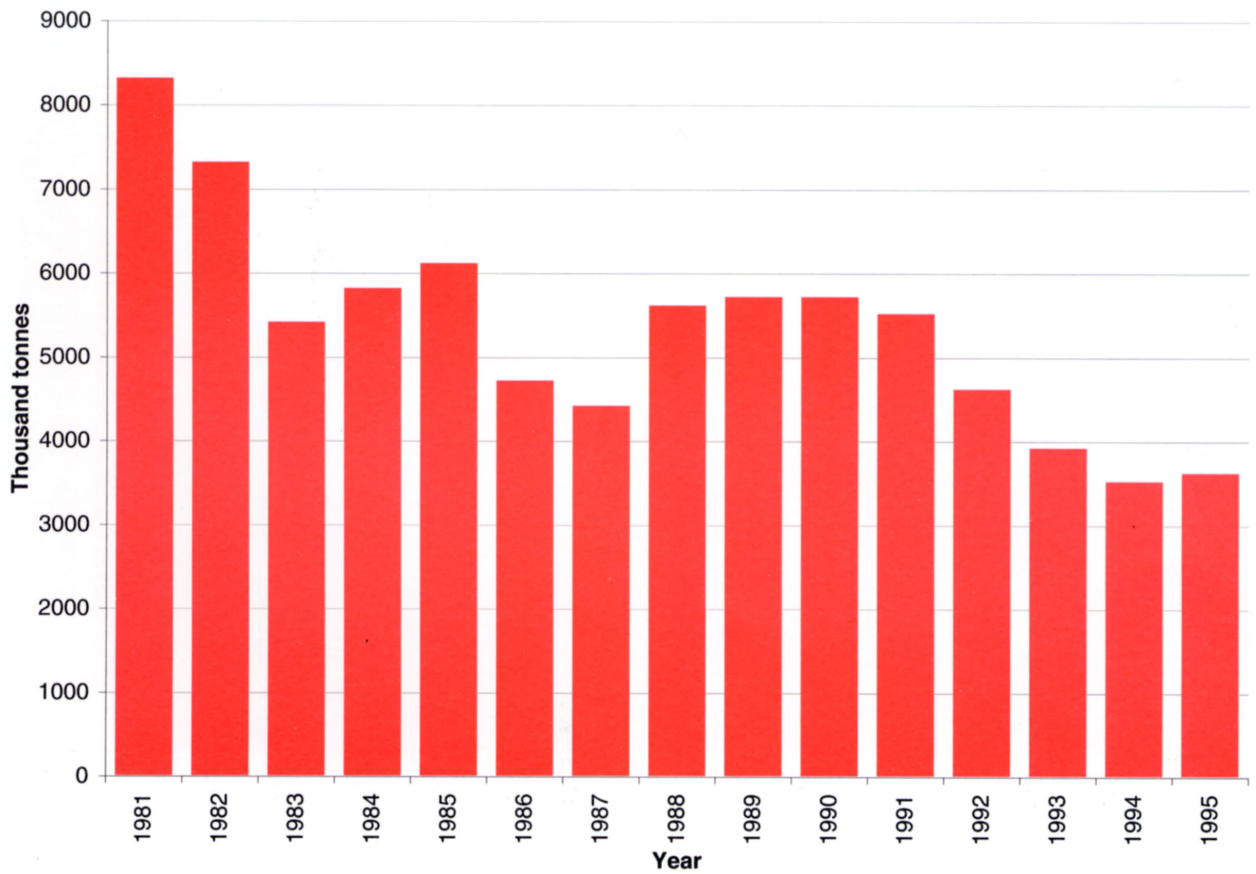
# Phosphate Rock



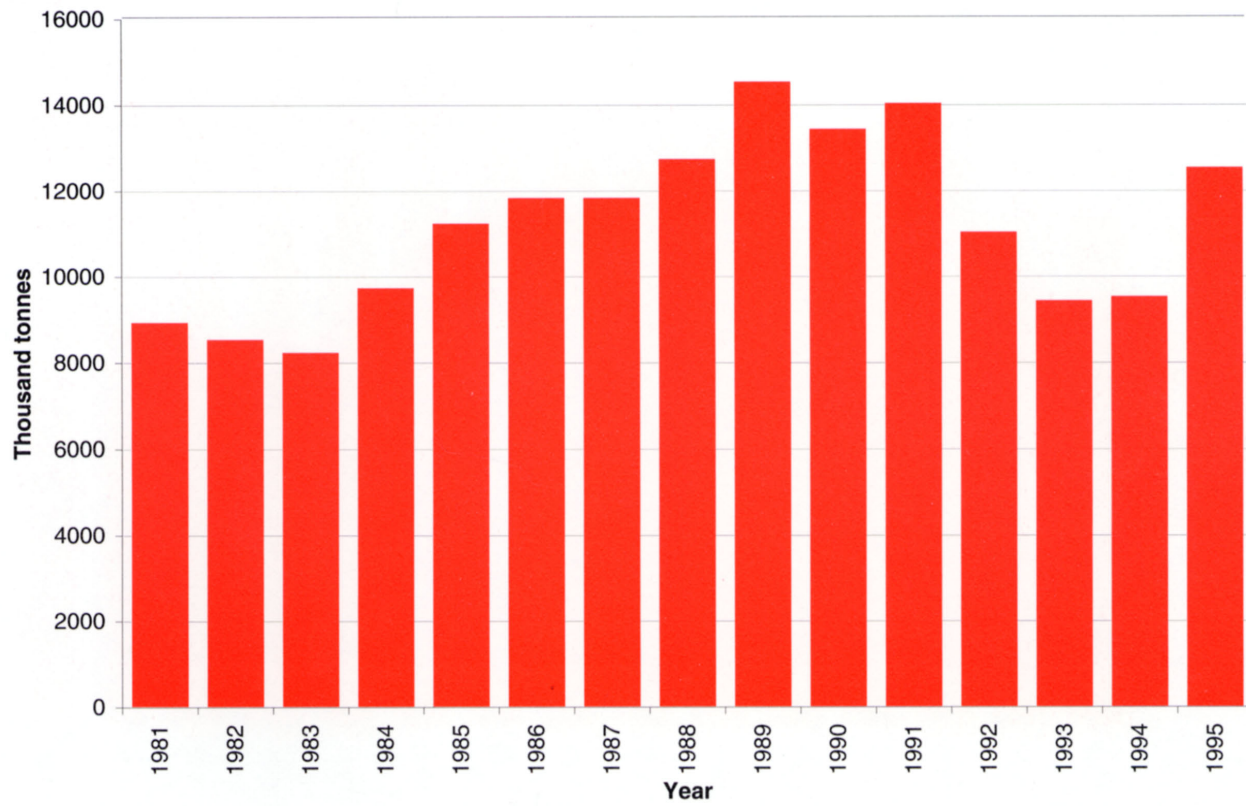
## World Production Bauxite 1981-95



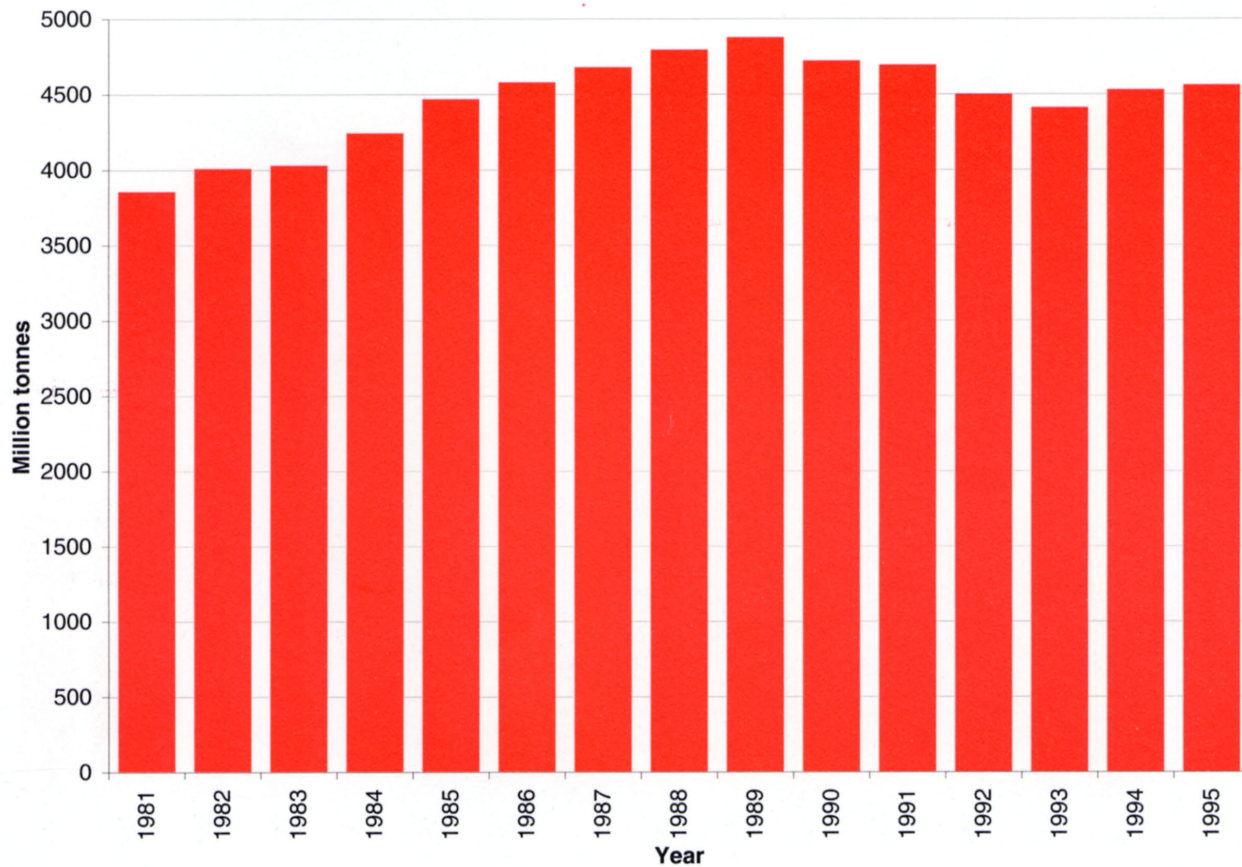
## World Production Barytes 1981-95



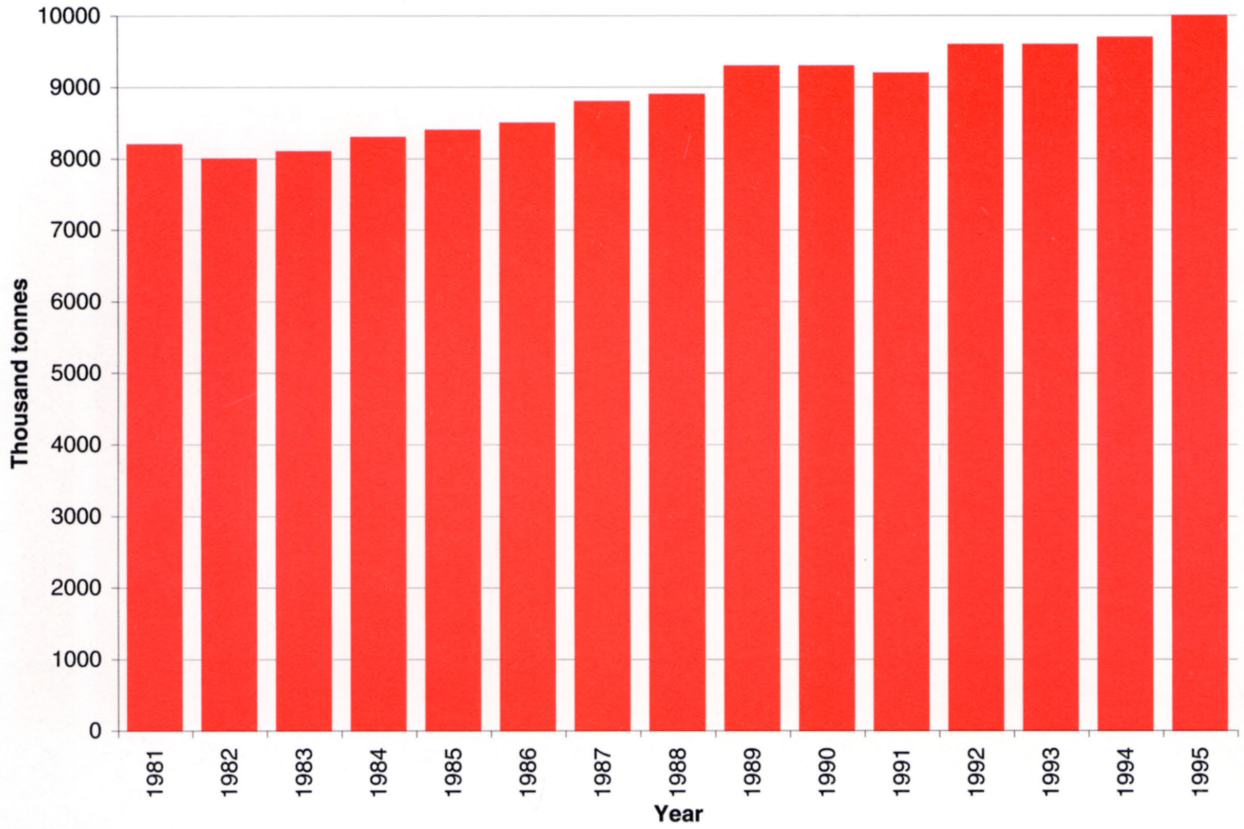
## World Production Chromium 1981-95



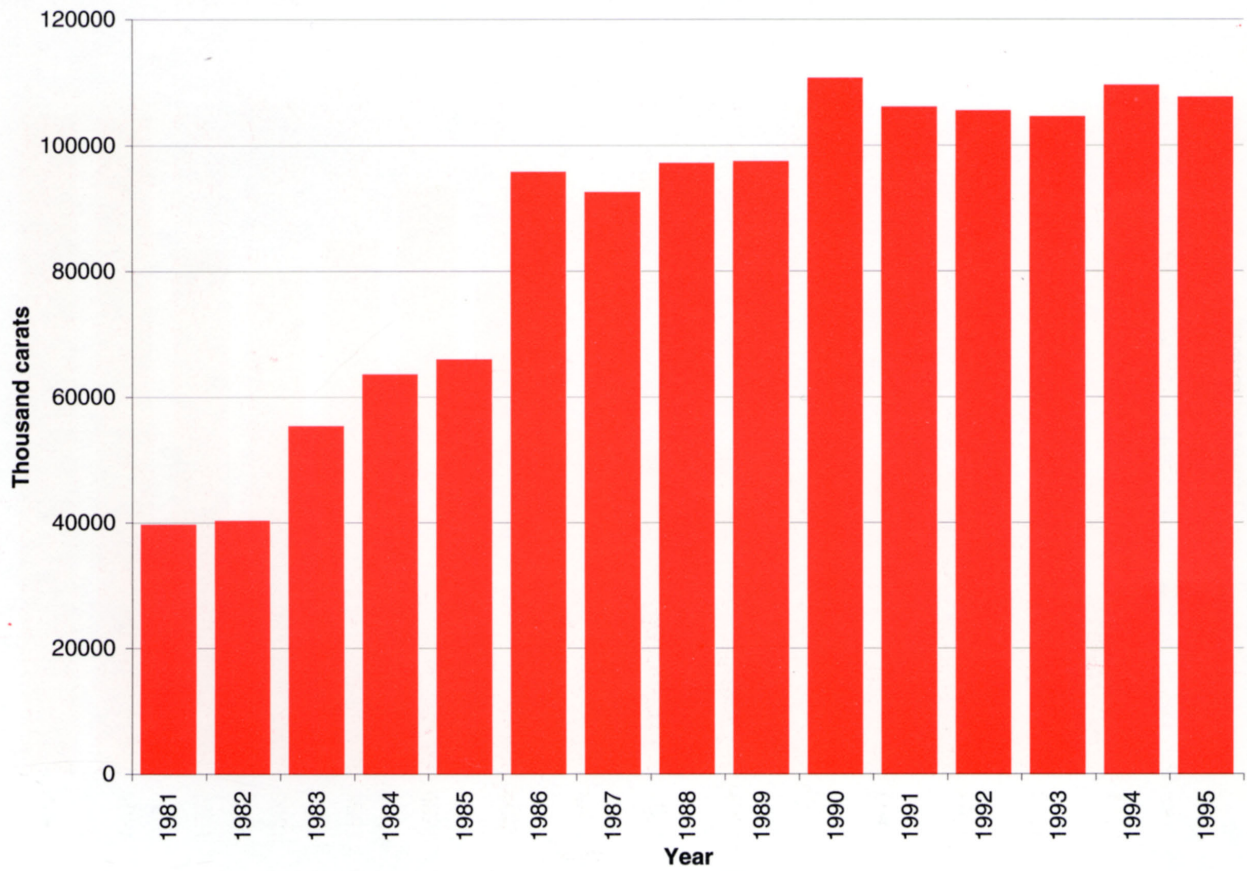
## World Production Coal 1981-95



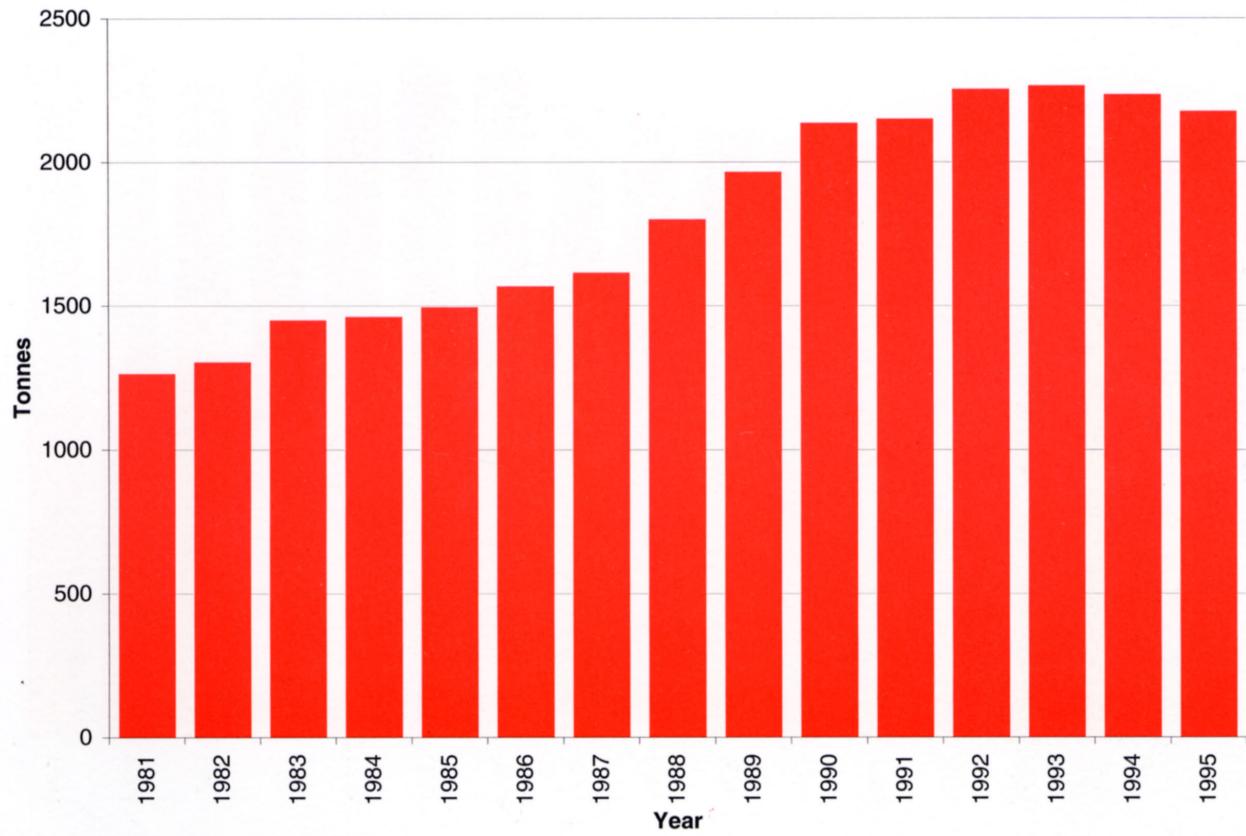
## World Mine Production Copper 1981-95



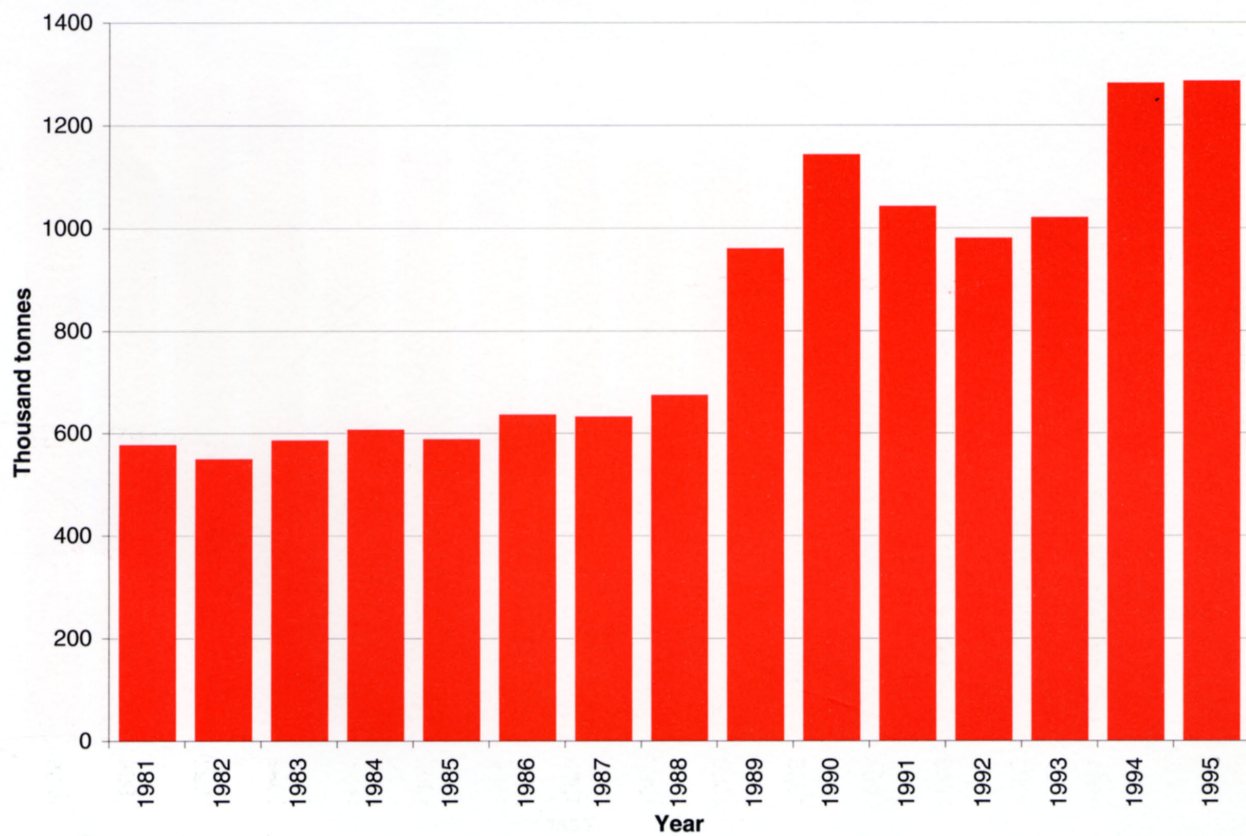
## World Production Diamond 1981-95



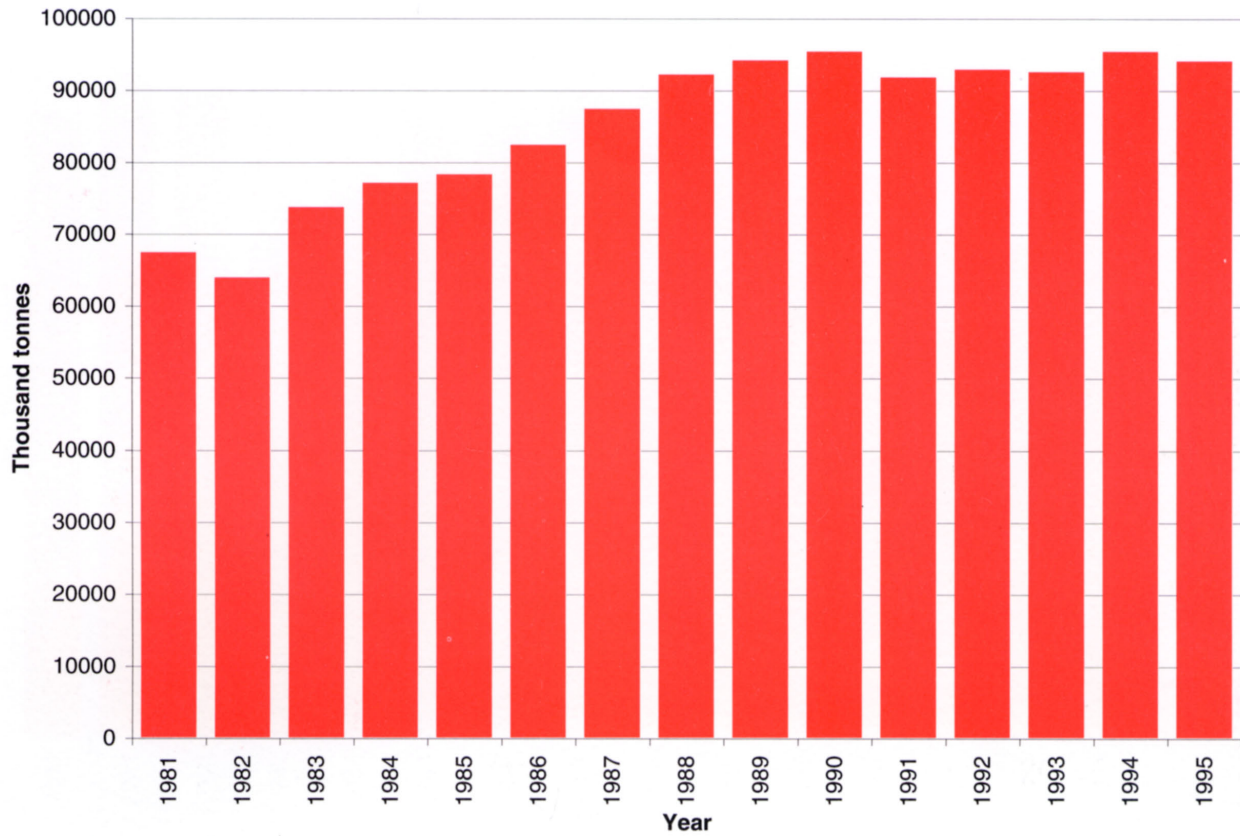
## World Production Gold 1981-95.



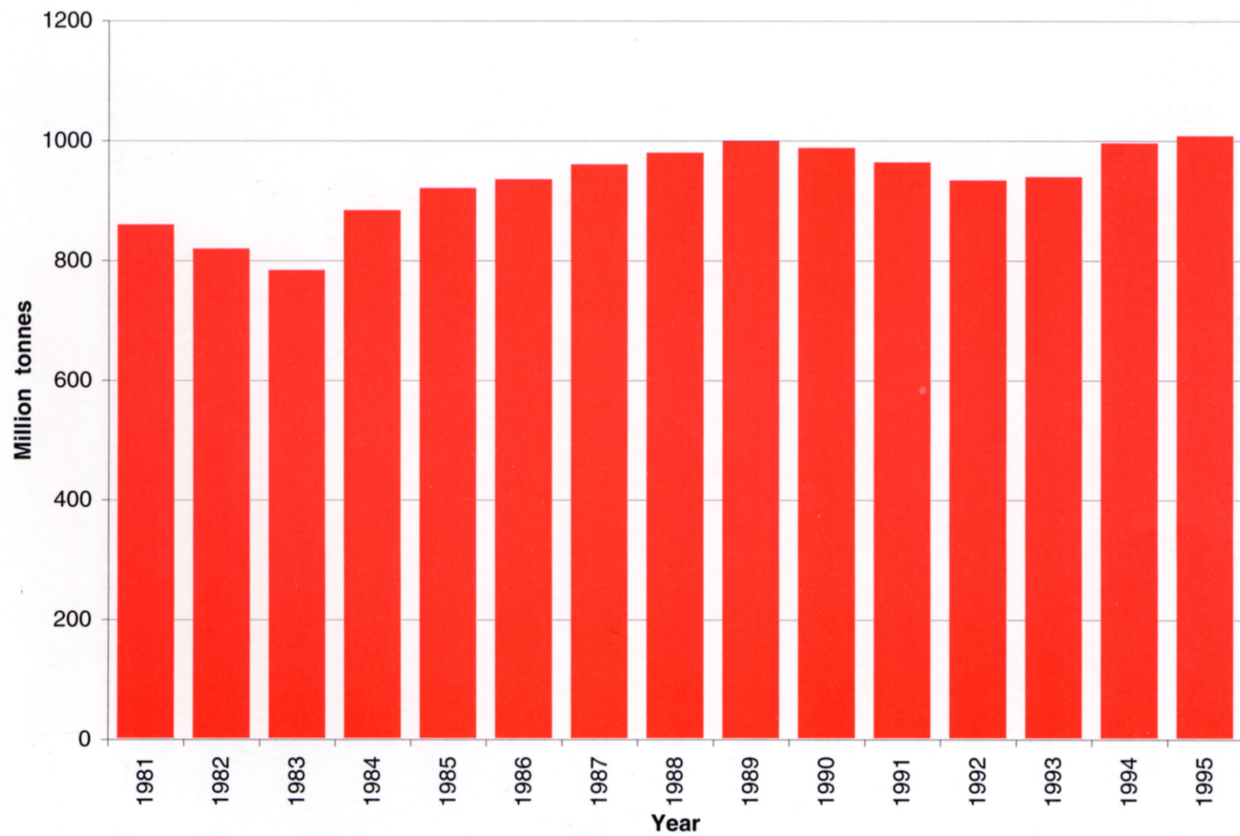
## World Production Graphite 1981-95



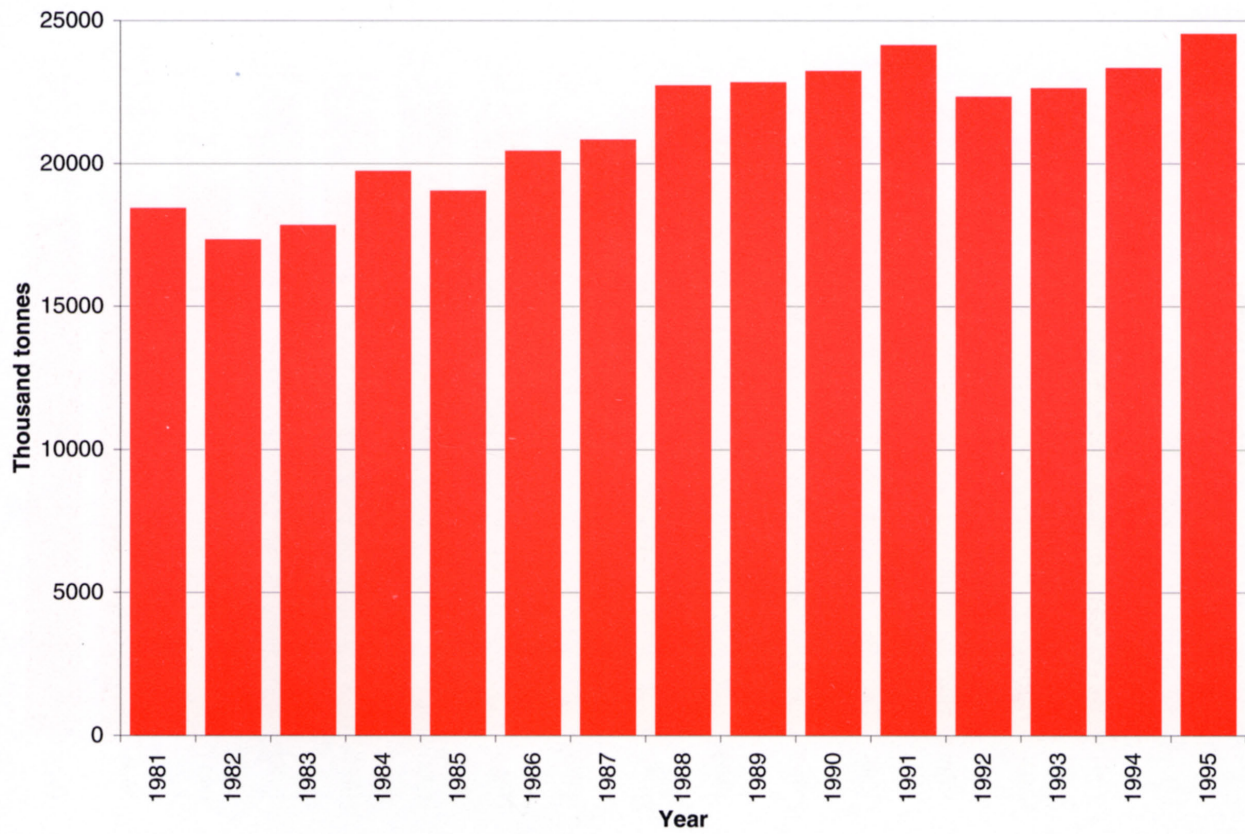
## World Production Gypsum 1981-95



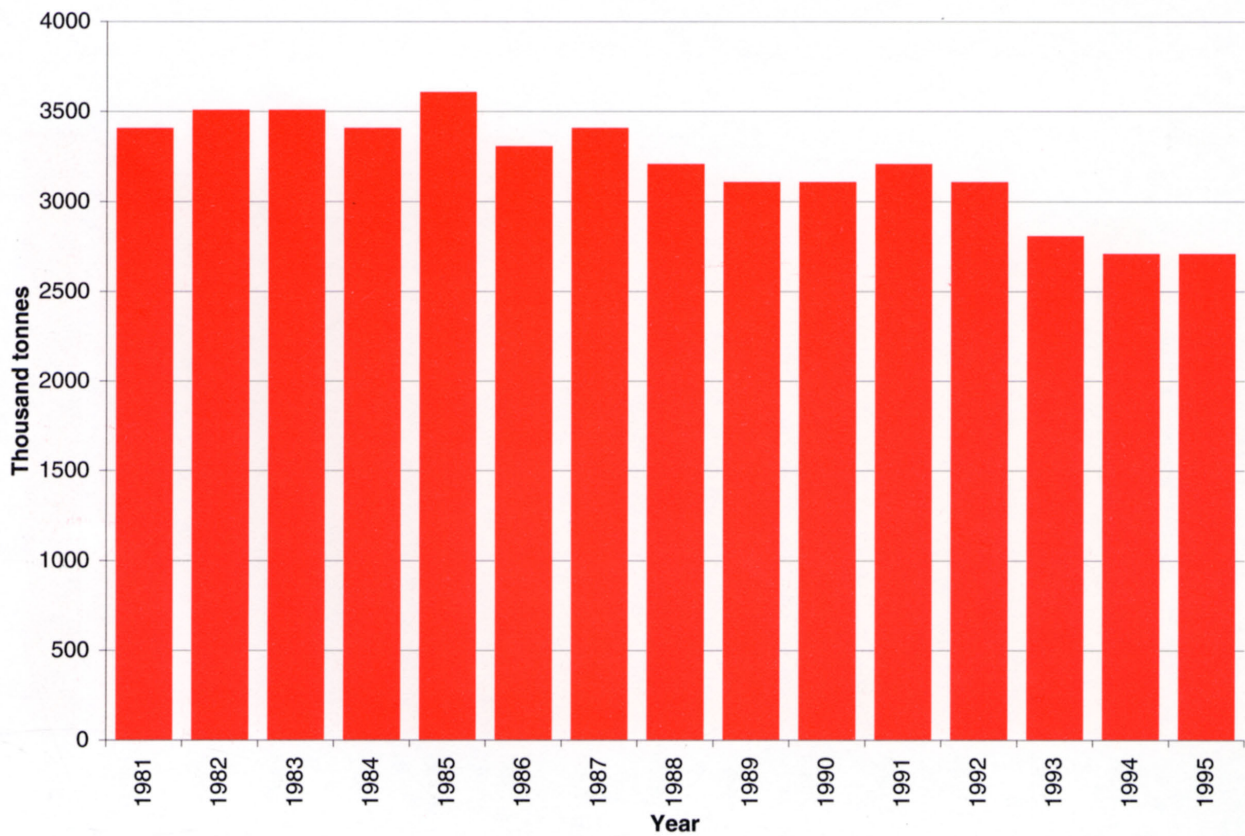
## World Production Iron Ore 1981-95.



## World Production Kaolin 1981-95

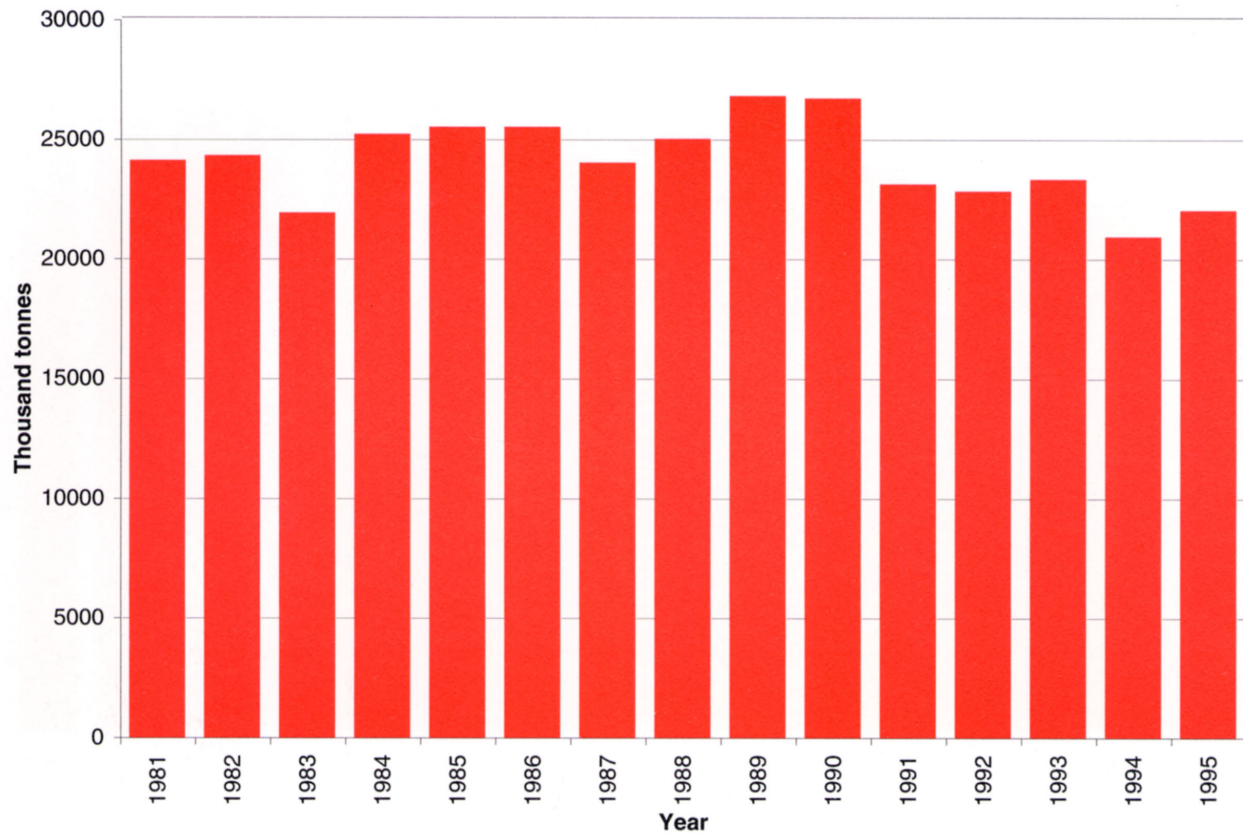


## World Mine Production Lead 1981-95

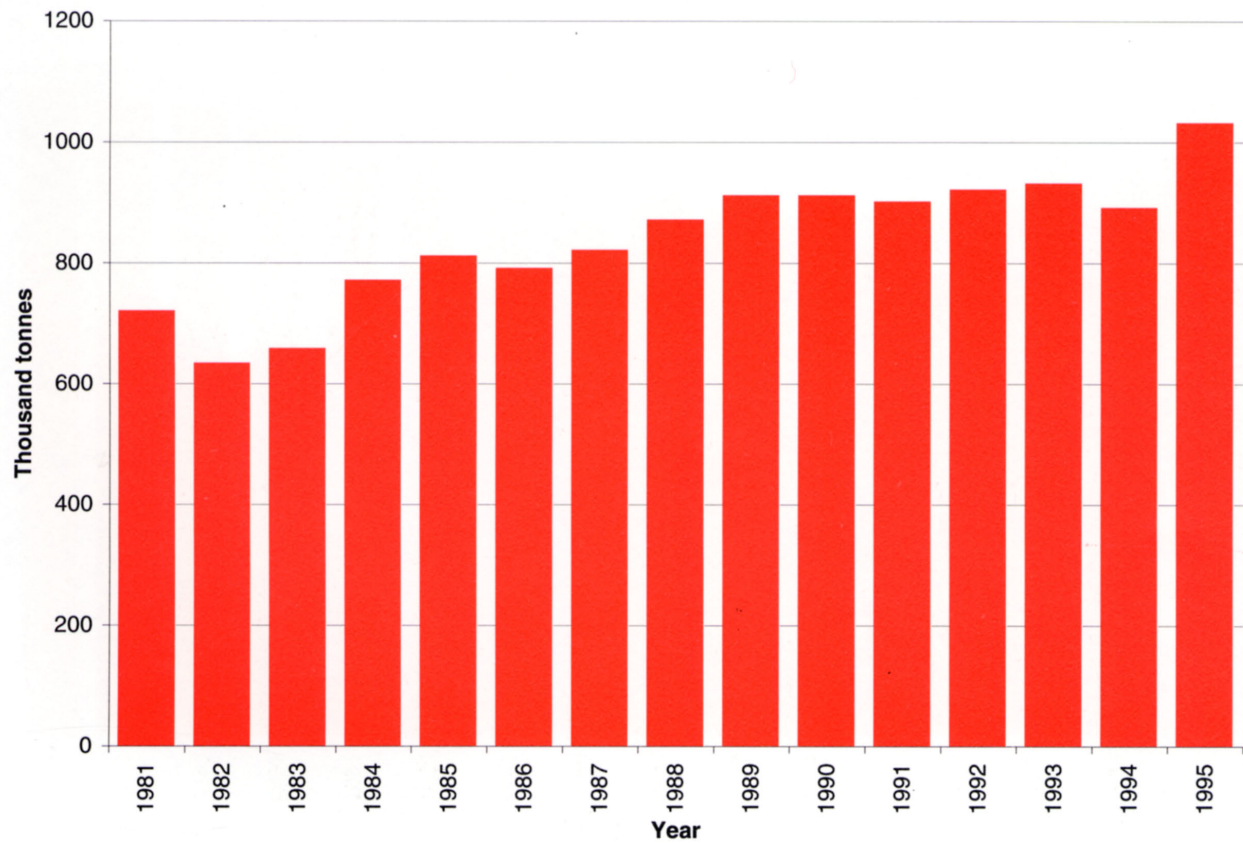




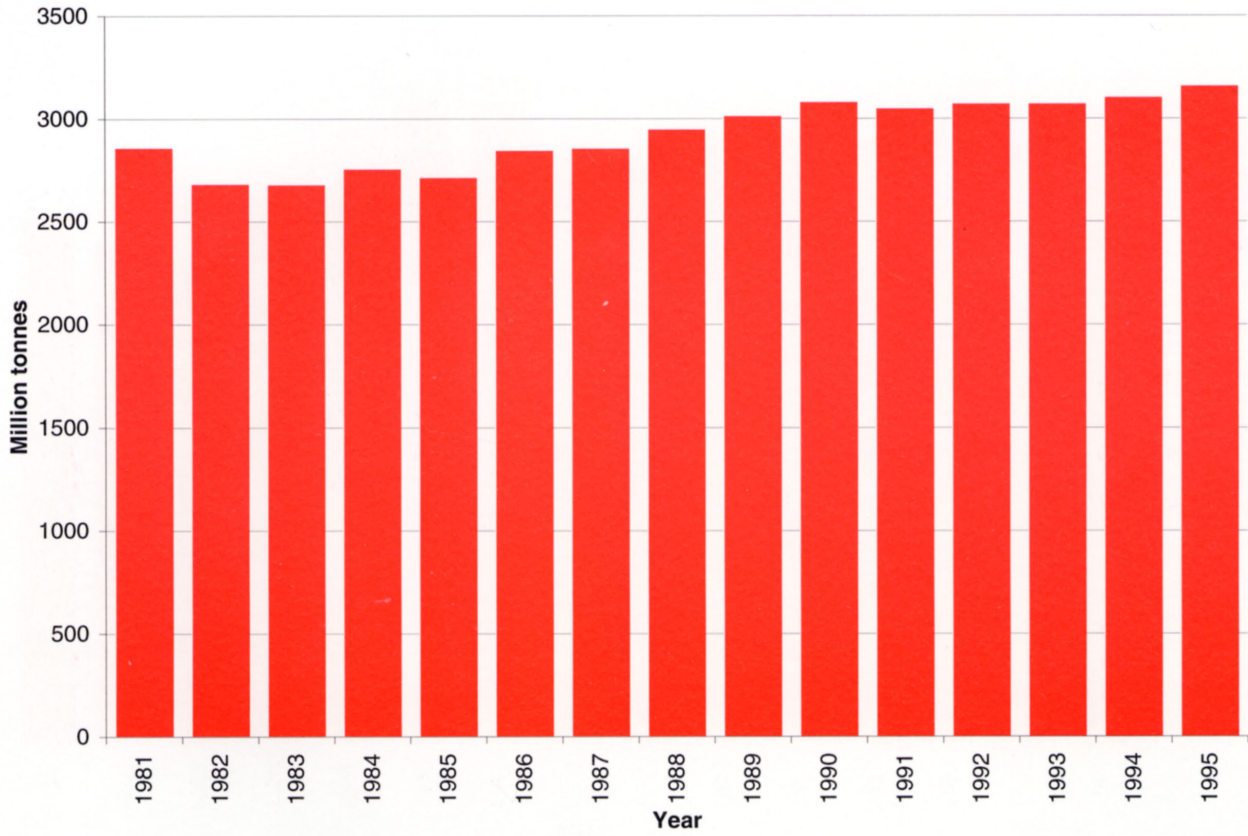
## World Production Manganese 1981-95



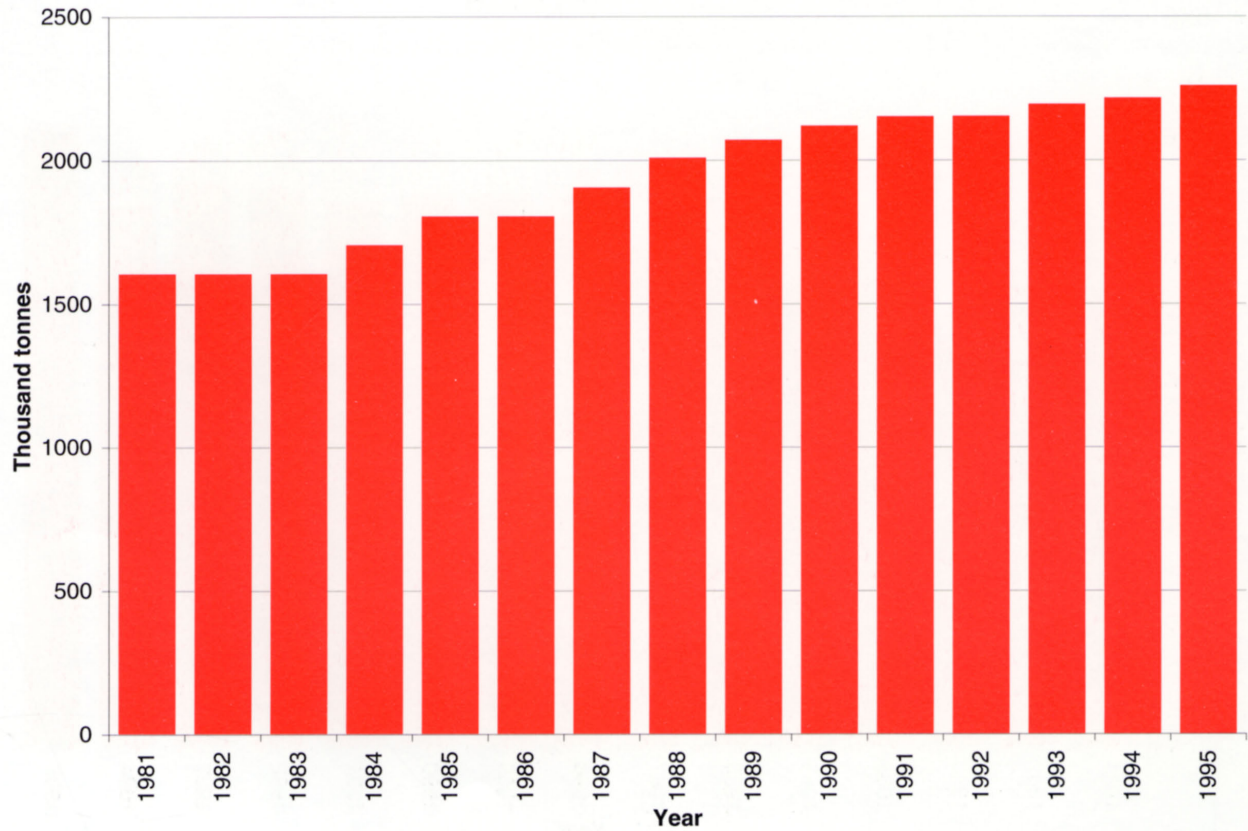
## World Mine Production Nickel 1981-95



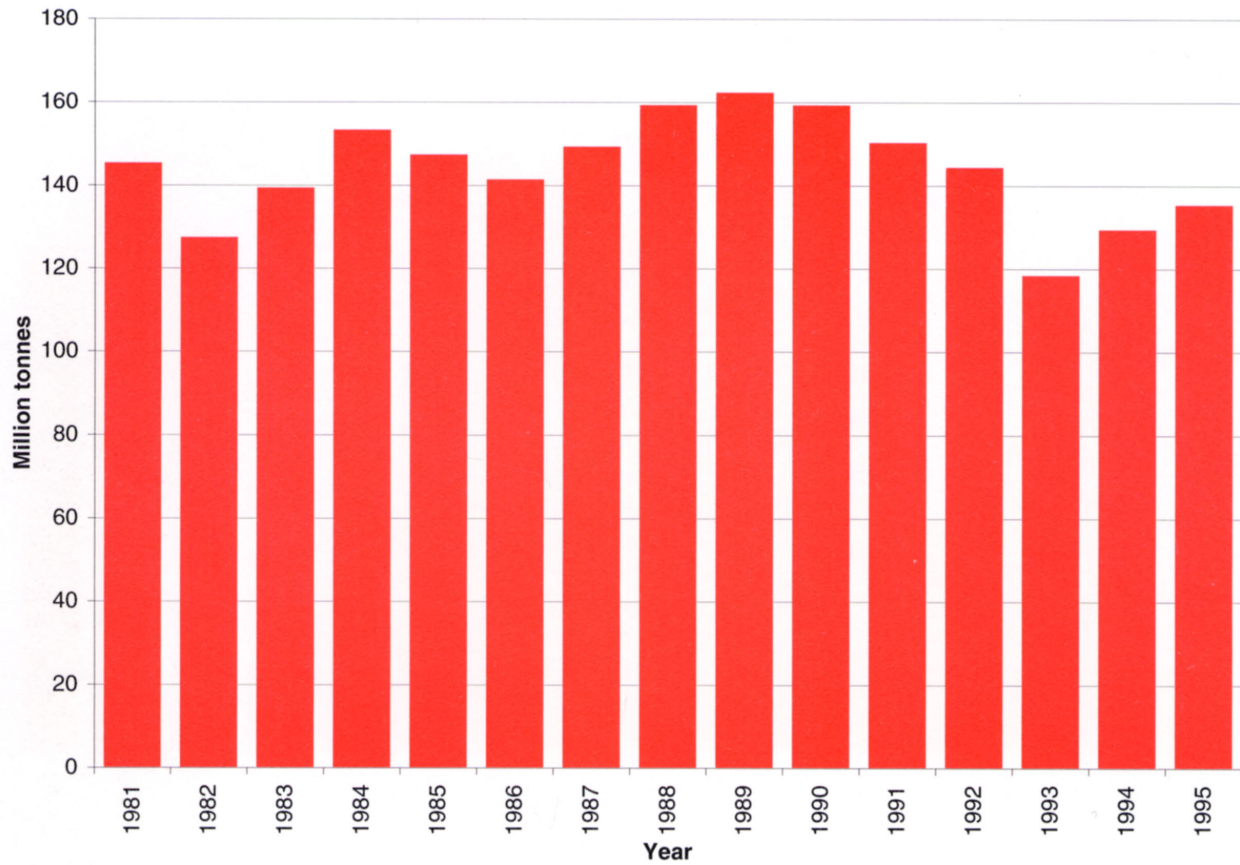
## World Production Petroleum 1981-95



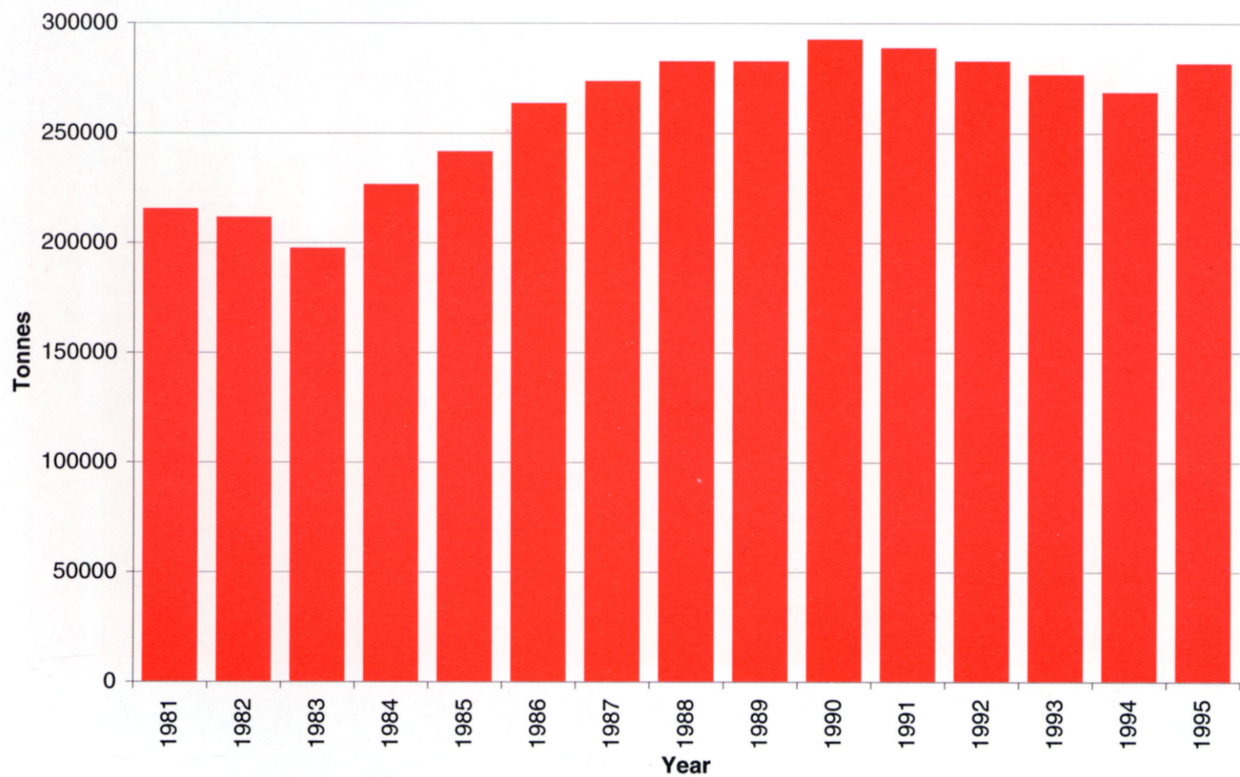
## World Production Natural Gas 1981-95



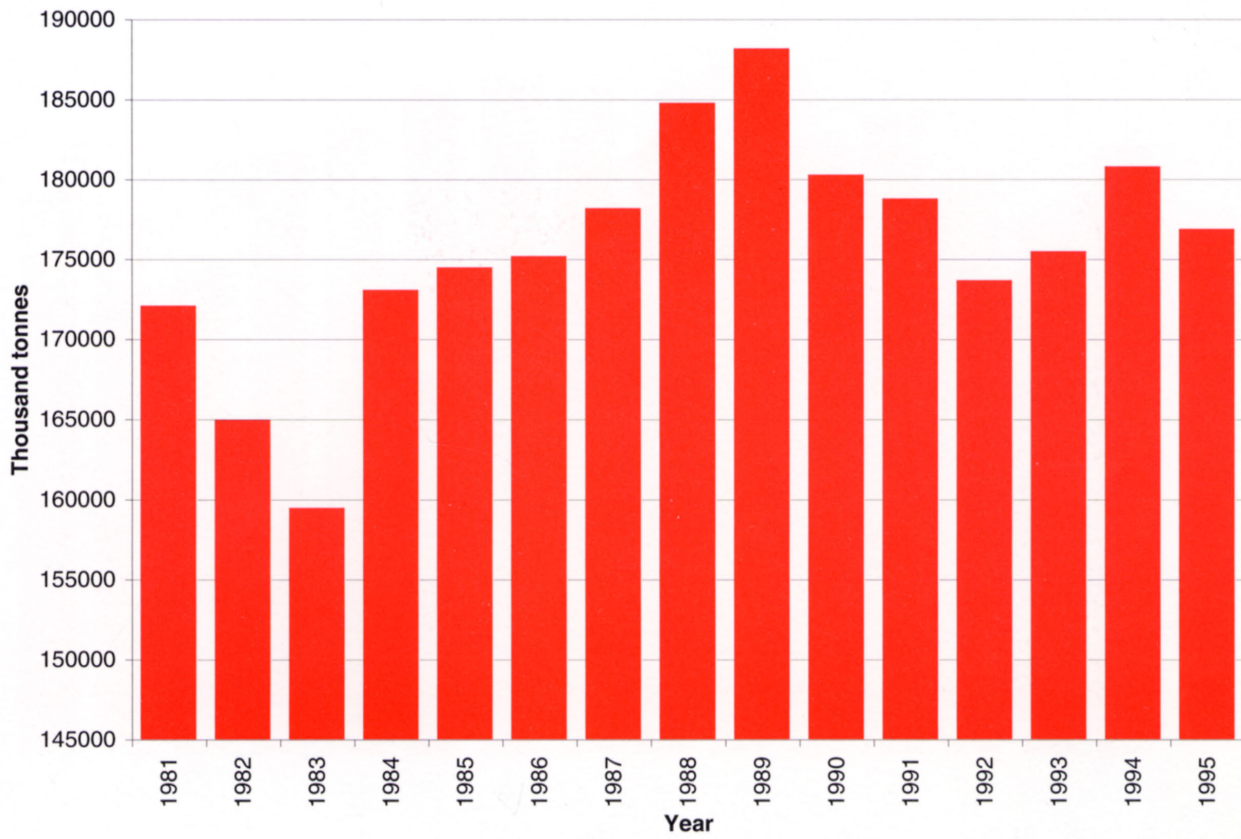
## World Production Phosphate Rock 1981-95



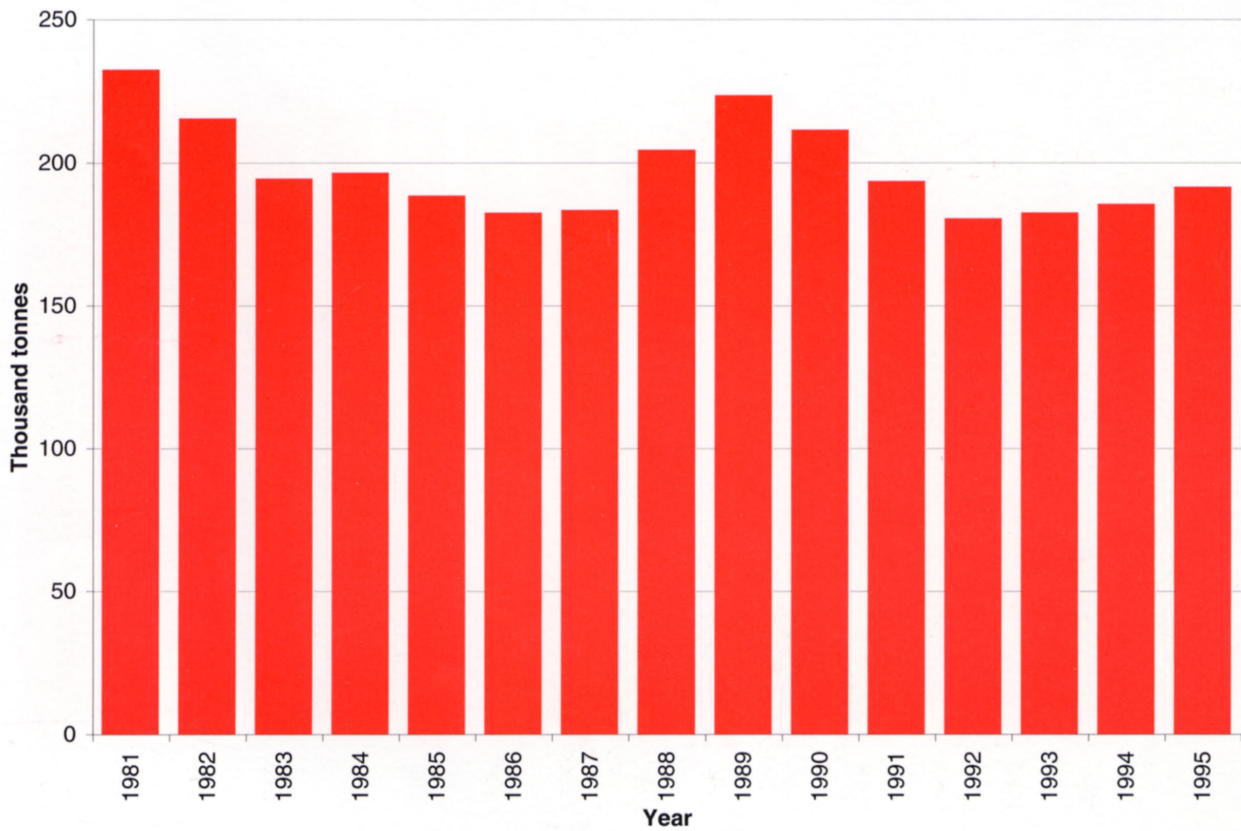
## World Production Platinum Group Metals 1981-95



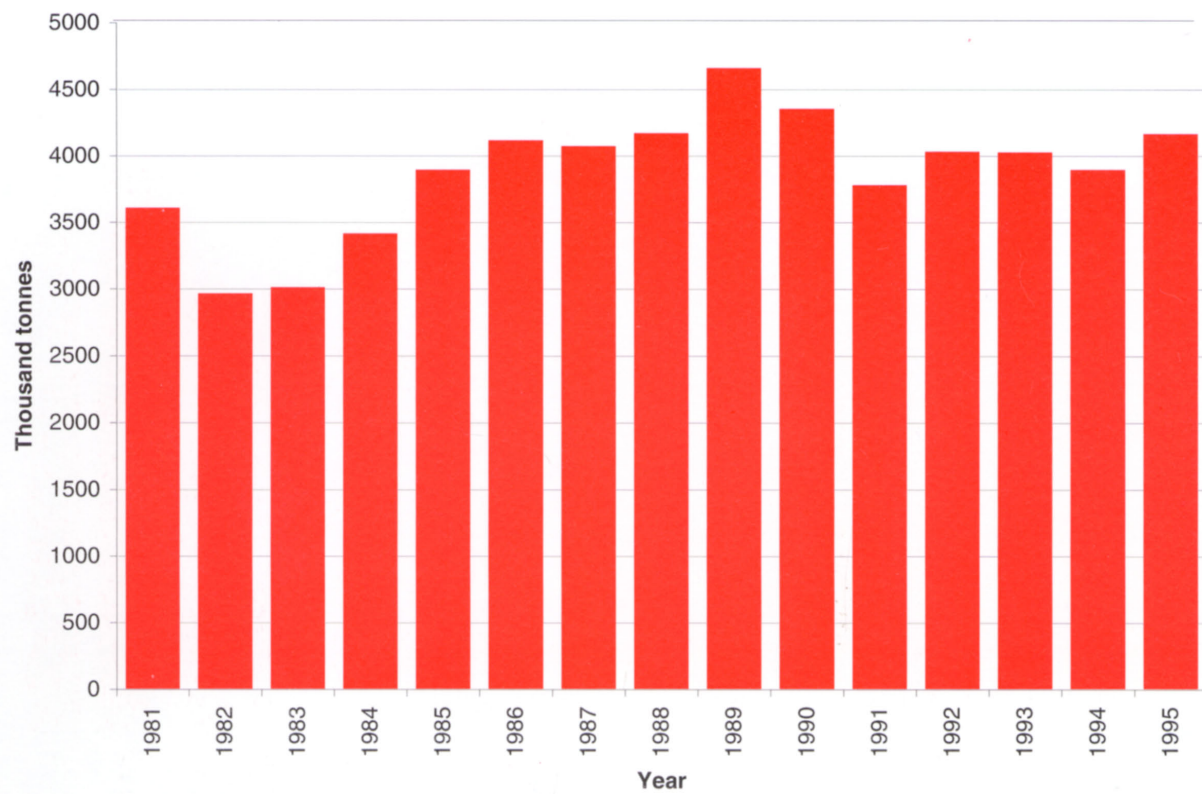
## World Production Salt 1981-95



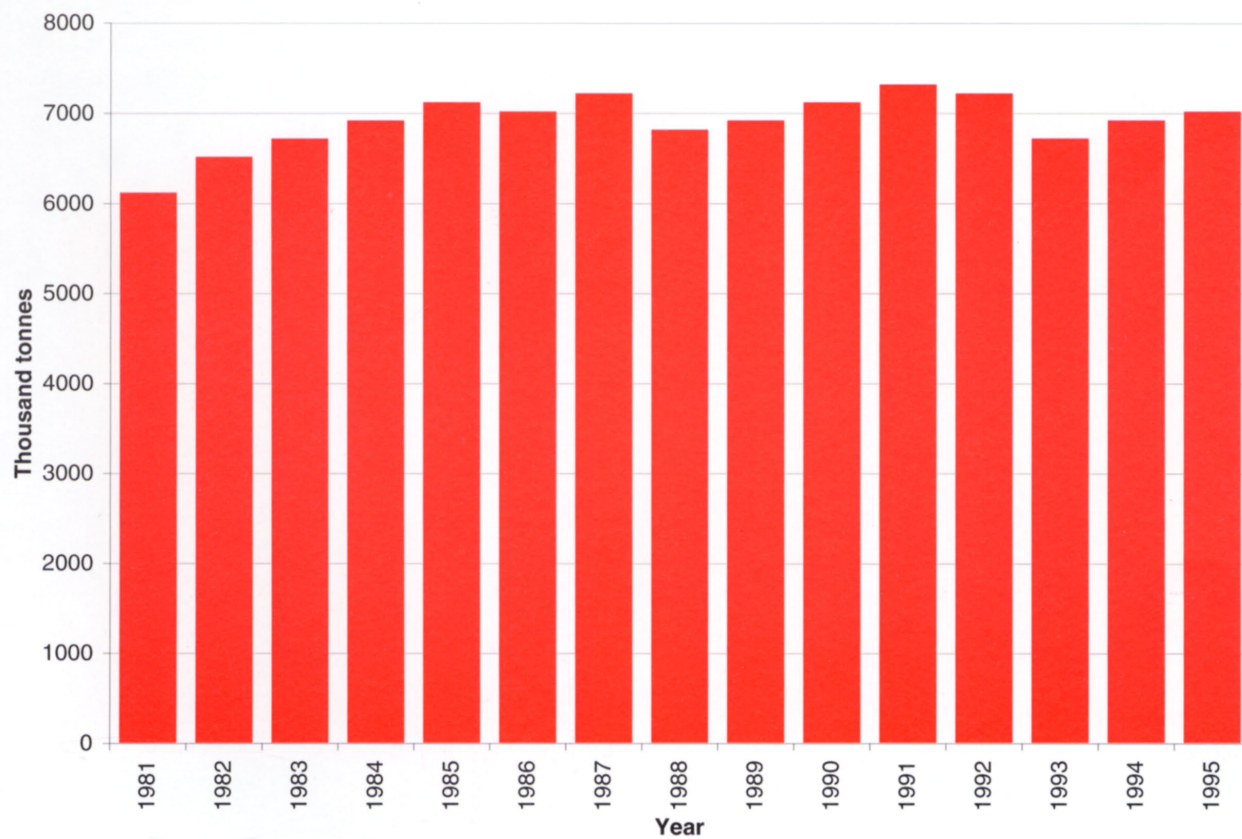
## World Production Tin 1981-95



## World Production Titanium 1981-95



## World Production Zinc 1981-95







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