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United Kingdom Minerals Yearbook 2014

Minerals and Waste Programme
Open Report OR/15/043



BRITISH GEOLOGICAL SURVEY

MINERALS AND WASTE PROGRAMME

OPEN REPORT OR/15/043

United Kingdom Minerals Yearbook 2014

Statistical data to 2013

T. Bide, T. J. Brown, S. F. Hobbs and N. Idoine

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Front cover

Burrowine Moor silica sand
quarry, Fife, operated by
Pattersons quarries Ltd.
BGS © NERC. Photographer:
Tom Bide

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Contents

| | |
|--|----------|
| Acknowledgements | 1 |
| Contents | 2 |
| Explanatory notes | 4 |
| Tables | 7 |
| Trade in minerals and mineral-based products compared with total trade 2007–2013 | 7 |
| Balance of trade in minerals and mineral-based products 2009–2013..... | 8 |
| Approximate value of minerals produced in the UK 2007–2013 | 10 |
| UK approximate value of minerals produced onshore and offshore 2006–2013 | 10 |
| Value of the major sectors of the minerals industry in the UK 2010-2013 | 11 |
| UK mining and quarrying: gross value added 2007–2014 | 11 |
| UK employment in the minerals industry, 2013..... | 12 |
| UK production of minerals 2007–2014..... | 13 |
| England production of mineral 2007–2013 | 14 |
| Wales production of minerals 2007–2013..... | 15 |
| Scotland production of minerals 2007–2013..... | 16 |
| Minerals produced in Northern Ireland, Isle of Man, Guernsey and Jersey 2009–2013..... | 17 |
| Number of mineral workings in the UK by commodity..... | 18 |
| Abrasives, natural | 19 |
| Aggregates | 19 |
| Aluminium | 24 |
| Aluminium compounds..... | 24 |
| Antimony | 25 |
| Arsenic..... | 25 |
| Asbestos | 25 |
| Ashphalt, natural | 26 |
| Ball clay | 26 |
| Barytes..... | 26 |
| Bauxite | 27 |
| Bentonite..... | 27 |
| Beryllium | 27 |
| Bismuth | 27 |
| Boron | 28 |
| Bricks | 28 |
| Bromine | 28 |
| Building and dimension stone | 29 |
| Cadmium | 29 |
| Cement | 30 |
| Chalk (see Limestone)..... | 53 |
| China clay..... | 30 |
| China stone (see Feldspar)..... | 44 |
| Chromium | 31 |
| Clays | 31 |
| Coal | 33 |
| Cobalt | 36 |
| Coke and breeze..... | 36 |
| Copper | 37 |
| Crushed rock (also see Aggregates)..... | 37 |
| Diamond | 43 |
| Diatomite..... | 43 |
| Dolomite (see Limestone)..... | 53 |
| Feldspar | 44 |
| Fireclay | 44 |
| Fluorspar..... | 44 |
| Gas, natural (see Petroleum)..... | 67 |
| Germanium | 45 |
| Gold | 45 |
| Granite (see Igneous rock) | 47 |
| Graphite | 46 |
| Gypsum | 46 |
| Hafnium | 47 |
| Igneous rock | 47 |
| Insulating materials | 49 |
| Iodine | 49 |

| | |
|--|----|
| Iron compounds and earth colours..... | 49 |
| Iron ore | 50 |
| Iron and steel..... | 50 |
| Lead..... | 52 |
| Limestone, dolomite and chalk..... | 53 |
| Lithium | 61 |
| Magnesia | 61 |
| Magnesium | 62 |
| Manganese..... | 62 |
| Marble..... | 63 |
| Mercury..... | 63 |
| Mica | 63 |
| Molybdenum | 64 |
| Natural Gas..... | 67 |
| Nepheline syenite | 64 |
| Nickel..... | 65 |
| Niobium (see Tantalum and Niobium)..... | 87 |
| Peat | 65 |
| Perlite..... | 66 |
| Petroleum (also see Primary fuels)..... | 66 |
| Phosphorus..... | 68 |
| Platinum group metals | 68 |
| Potassium compounds..... | 69 |
| Precious and semi-precious stones (excluding diamonds) | 69 |
| Primary fuels | 70 |
| Pumice..... | 72 |
| Pyrite..... | 72 |
| Quartz and quartzite | 72 |
| Radioactive and associated materials..... | 73 |
| Rare earths | 73 |
| Salt..... | 73 |
| Sand and gravel (also see Aggregates)..... | 74 |
| Sandstone..... | 80 |
| Selenium..... | 82 |
| Sepiolite | 82 |
| Silica sand | 82 |
| Silicon | 84 |
| Sillmanite | 84 |
| Silver..... | 85 |
| Slate..... | 85 |
| Strontium | 86 |
| Sulphur | 86 |
| Talc | 86 |
| Tantalum..... | 87 |
| Tellurium..... | 87 |
| Tin..... | 87 |
| Titanium | 88 |
| Tungsten..... | 89 |
| Vanadium..... | 89 |
| Vermiculite..... | 90 |
| Zinc..... | 90 |
| Zirconium | 91 |

Diagrams

| | |
|--|----|
| Value of UK minerals production 2013 | 9 |
| Value of UK construction and industrial minerals production 2013 | 9 |
| GB production of crushed rock aggregate and sand and gravel by region 2013 | 20 |
| GB production of crushed rock by end-use 2013 | 38 |
| GB production of sand and gravel by end-use 2013 | 74 |

Explanatory notes

Coverage: Except where otherwise stated all the statistics shown relate to the United Kingdom of Great Britain and Northern Ireland.

The Channel Islands and the Isle of Man are also included in the 'United Kingdom' overseas trade statistics, but are excluded from the production statistics. The UK part of the Continental Shelf is included in both the overseas trade and the production statistics.

All figures for the latest year shown are provisional and subject to revision.

Rounding of figures: In tables where figures have been rounded to the nearest final digit, there may be a slight discrepancy between the sums of the constituent items and the total as shown.

Units: The statistics in this volume are expressed in metric units. The following factors are given for converting from or into non-metric units:

| | |
|-------------------|-----------------|
| <i>Troy ounce</i> | <i>Kilogram</i> |
| 1 | = 0.0311035 |
| 32.1507 | = 1 |

| | |
|--------------|-----------------|
| <i>Pound</i> | <i>Kilogram</i> |
| 1 | = 0.453592 |
| 2.20462 | = 1 |

| | |
|----------------------|-----------------|
| <i>Hundredweight</i> | <i>Kilogram</i> |
| 1 | = 50.8023 |
| 0.019684 | = 1 |

| | |
|-----------------|--------------|
| <i>Long ton</i> | <i>Tonne</i> |
| 1 | = 1.01605 |
| 0.984206 | = 1 |

| | |
|--------------------|---------------------|
| <i>Square yard</i> | <i>Square metre</i> |
| 1 | = 0.836127 |
| 1.19599 | = 1 |

| | |
|-------------------|--------------------|
| <i>Cubic yard</i> | <i>Cubic metre</i> |
| 1 | = 0.764555 |
| 1.30795 | = 1 |

| | |
|------------------|--------------|
| <i>UK gallon</i> | <i>Litre</i> |
| 1 | = 4.54596 |
| 0.2199755 | = 1 |

Symbols: The following symbols are used throughout:

| | |
|-----|--|
| ... | Figures not available |
| 0 | Quantity less than half the unit shown |
| — | Nil |
| nes | Not elsewhere specified |
| BGS | British Geological Survey |

Apparent consumption: BGS estimates of apparent consumption of metals are based on the formula: production (primary and secondary) plus imports minus exports. All the main traded forms of the metal are taken into account, for example, ores, concentrates, intermediate products, unwrought metal and alloys, oxides, etc. Figures are given in terms of metal content. No information is available for stock changes. Such estimates of apparent consumption are made for metals for which there are no reported consumption statistics: in this edition data are given for chromium, cobalt, manganese, molybdenum, titanium and zirconium.

Trade: Trade figures from INTRASTAT, the system for measuring intra-EC trade became available from 1993. This was introduced following the abolition of customs controls as a result of the Single Market and trade figures are now compiled from data provided directly from companies instead of Customs documents. Extra-EC trade continues to be collected from Customs declarations as before. The transition from one system to another has produced some anomalous figures in terms

of the size of the trade in and unit value of certain commodities. These factors should be taken into consideration when evaluating trends. Figures given in this edition are the combined intra and extra-EC trade data.

Values of commodities are c.i.f. (Cost, Insurance and Freight) for imports and f.o.b. (free on board) for exports.

The terms 'scrap', 'unwrought' and 'wrought' metal include alloys unless these are separately shown.

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Sources of information

In compiling this volume the BGS has largely relied upon data originally collected by other bodies. A list of the departments and organisations concerned is given below, together with the titles of principal publications that have been used. In many cases the BGS has also been provided with supplementary or unpublished information. Interested readers are strongly advised to consult the original sources themselves wherever possible and in this connection may wish to refer not only to the publications as listed here, but also earlier issues in the same series, some of which were published under different titles.

Information about the production of minerals in the United Kingdom is given from 1853 to 1881 in a series of Geological Survey Memoirs entitled *Mineral Statistics*, by Robert Hunt, Keeper of Mining Records; earlier information for certain metalliferous minerals is also available. Since 1873 all collieries and metalliferous mines have been required by statute to complete annual returns of production, and since 1895 the same has applied to quarries. These returns were made to the Home Office, which, in 1882, was made responsible for the publication of *Mineral Statistics*. In 1920 responsibility for collection of returns was transferred to the Mines Department (Board of Trade) and statistics were subsequently published in the Annual Reports of the Secretary of Mines. The Mines Department was incorporated into the Ministry of Fuel and Power in 1942 and statistics from 1938 to 1972 were published in their Statistical Digests (subsequently the Digests of Energy Statistics of the Department of Trade and Industry). In 1973 responsibility for the collection of returns relating to most minerals other than fuels was transferred to the Business Statistics Office (formerly part of the Department of Trade and Industry, now the Office for National Statistics). The Department of Energy and Climate Change, collects statistics relating to hydrocarbons (natural gas and crude petroleum). Statistics on coal production are now collected by The Coal Authority. Returns of sand and gravel were collected by the Department of the Environment up to 1974. Details of mineral production in Northern Ireland since 1922 have been obtained by the Northern Ireland Government.

1853–1881 *Mineral Statistics*, by Robert Hunt, Keeper of Mining Records; Memoirs of the Geological Survey

1882–1896 *Mineral Statistics*; Home Office

1897–1919 *Mines and Quarries: General Report with Statistics*; Home Office

1920 *Mines and Quarries: General Report with Statistics*; Mines Department, Board of Trade

1921–1938 *Annual Report of the Secretary of Mines*; Mines Department, Board of Trade (Great Britain only from 1922)

1938–1972 *Statistical Digest*; Ministry of Fuel and Power (Great Britain only)

1973–2014 *Digest of United Kingdom Energy Statistics*; Department of Energy and climate change (formerly published by Department for Business Enterprise and Regulatory Reform, Department of Trade and Industry or Department of Energy)

1973–1993 *Minerals (PA1007)*; Central Statistical Office

1994–2014 *Mineral Extraction in Great Britain (PA 1007)*; Office for National Statistics

1922–1949 *Annual Report of the Mining and Quarrying industries in Northern Ireland*; Ministry of Commerce (Northern Ireland)

1950–1981 *Mineral Production in Northern Ireland*; Department of Commerce (Northern Ireland)

1982–1995 *Mineral Production in Northern Ireland*; Department of Economic Development (Northern Ireland)

1996–1998 *Annual Minerals Statement*; Department of Economic Development (Northern Ireland)

1999–2009 *Annual Mineral Statement*; Department of Enterprise, Trade and Investment (Northern Ireland)

Department of Energy and Climate Change: *Digest of United Kingdom Energy Statistics (annual)*

Department for Business, Innovation and Skills: *Monthly Statistics of Building Materials and Components, BIS website for construction information*

Office for National Statistics, UK Statistics Authority, Website: www.statisticsauthority.gov.uk or www.statistics.gov.uk, *Monthly Digest of Statistics, Mineral Extraction in Great Britain (annual), United Kingdom National Accounts*

HM Customs and Excise: *Overseas Trade Statistics (monthly, quarterly and annual), Guide to the Classification for Overseas Trade Statistics*

Crown Estate Commissioners, The Crown Mineral Agent

Department of Enterprise, Trade & Investment (Northern Ireland), *Annual Mineral Statement*

Department of Trade and Industry (Isle of Man)

Advisory and Finance Committee (Guernsey)

UK Iron and Steel Statistics Bureau, *Annual Statistics*

World Bureau of Metal Statistics, *World Metal Statistics (monthly)*

International Fertilizer Industry Association

Mineral Products Association (MPA), formerly the Quarry Products Association (QPA)

The Coal Authority

Trade in minerals and mineral-based products compared with total trade 2007–2013

£ million

| SITC section | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Imports (c.i.f.) | | | | | | | |
| 0, 1 | Food, beverages, tobacco | 26 351.5 | 30 570.8 | 31 840.9 | 33 415.9 | 36 068.8 | 39 226.3 |
| 2, 4 | Basic materials | 10 115.7 | 11 411.2 | 8 096.0 | 10 731.6 | 12 418.4 | 11 740.3 |
| | of which: Minerals | 4 559.3 | 5 498.4 | 2 932.5 | 4 719.3 | 5 674.3 | 5 003.5 |
| 3 | Fuels and related materials | 29 470.4 | 44 289.5 | 31 721.3 | 40 857.5 | 56 753.1 | 56 009.5 |
| | of which: Mineral-based | 29 231.9 | 43 906.3 | 31 461.9 | 40 531.9 | 56 285.8 | 55 072.6 |
| | Manufactured goods: | | | | | | |
| 5, 6 | Semi-manufactures | 76 718.3 | 81 638.4 | 76 663.1 | 90 246.6 | 99 988.3 | 101 430.9 |
| | of which: Mineral-based | 39 877.0 | 35 062.3 | 31 135.8 | 38 973.1 | 45 038.1 | 45 428.1 |
| 7, 8 | Finished manufactures | 166 661.7 | 171 678.0 | 157 080.1 | 183 328.1 | 186 824.7 | 201 707.6 |
| | Total | 309 317.6 | 339 588.1 | 305 401.4 | 358 579.6 | 392 053.5 | 405 276 |
| | All traded goods | | | | | | |
| | of which: Mineral-based | 73 668.1 | 84 467.0 | 65 530.3 | 84 224.3 | 106 998.2 | 110 037.2 |
| | As % of all traded goods | 23.8 | 24.9 | 21.5 | 23.5 | 27.3 | 27.4 |
| Exports (f.o.b.) | | | | | | | |
| 0, 1 | Food, beverages, tobacco | 11 752.6 | 13 670.8 | 14 398.2 | 16 027.4 | 18 125.2 | 18 860.8 |
| 2, 4 | Basic materials | 5 473.8 | 6 558.5 | 5 160.0 | 7 288.5 | 8 941.0 | 7 414.0 |
| | of which: Minerals | 3 372.5 | 4 141.9 | 2 998.0 | 4 556.1 | 5 574.8 | 4 337.0 |
| 3 | Fuels and related materials | 23 147.4 | 33 595.7 | 25 399.7 | 33 416.3 | 40 674.5 | 39 615.7 |
| | of which: Mineral-based | 23 035.7 | 33 485.2 | 25 239.0 | 33 212.1 | 40 536.4 | 39 447.7 |
| | Manufactured goods: | | | | | | |
| 5, 6 | Semi-manufactures | 68 344.9 | 76 148.4 | 71 385.9 | 79 884.7 | 87 742.3 | 84 916.0 |
| | of which: Mineral-based | 30 464.8 | 33 924.9 | 27 555.7 | 33 361.0 | 38 755.8 | 35 332.6 |
| 7, 8 | Finished manufactures | 110 304.8 | 117 063.9 | 106 773.0 | 123 510.2 | 136 474.3 | 146 888.8 |
| | Total | 219 023.5 | 247 037.2 | 223 116.7 | 260 127.1 | 291 957.3 | 294 544.2 |
| | All traded goods | | | | | | |
| | of which: Mineral-based | 56 873.0 | 71 552.0 | 55 792.7 | 71 129.3 | 84 867.0 | 81 816.0 |
| | As % of all traded goods | 26.0 | 29.0 | 25.0 | 27.3 | 29.1 | 28.0 |

This table no longer includes Section 9 'other commodities' as the data for monetary gold is no longer available, Section 9 has been removed from previous years so comparisons can be maintained.

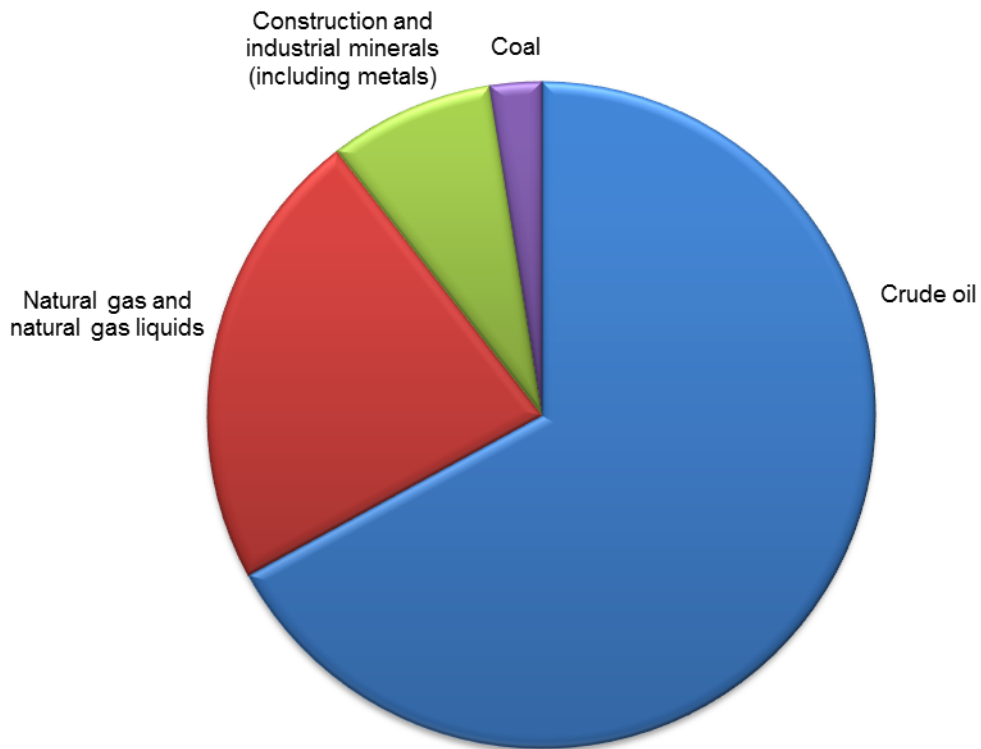
Balance of trade in minerals and mineral-based products 2009–2013

£ million (a)

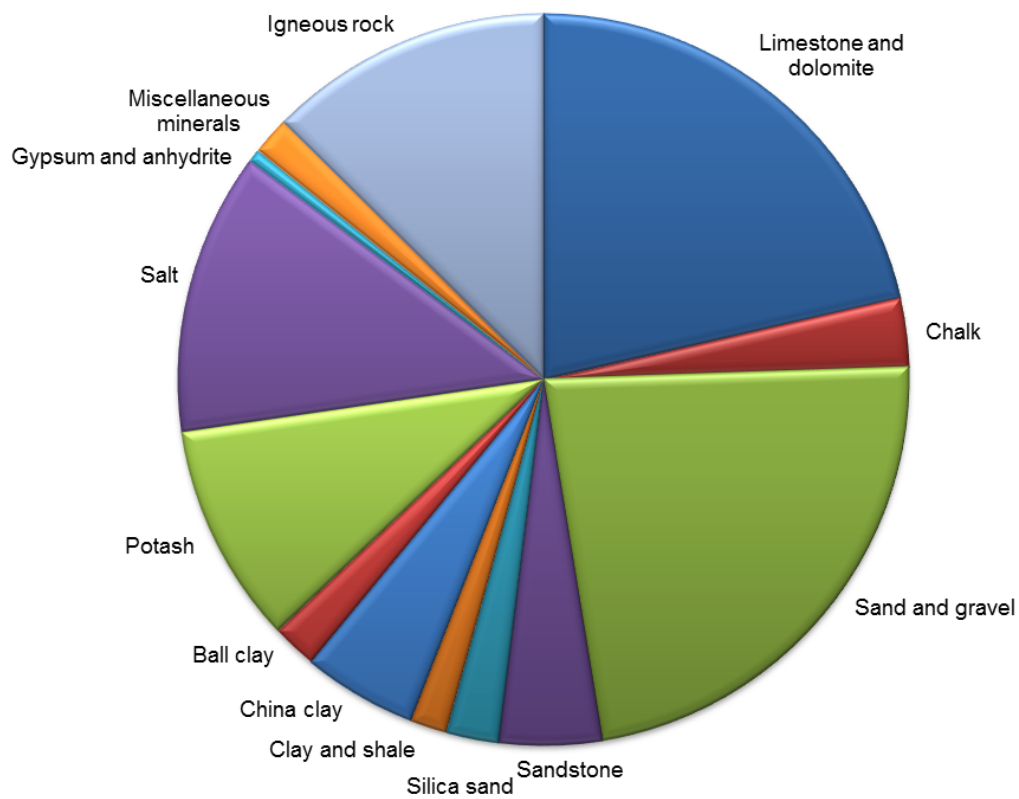
| SITC (R3) divisions | 2009 | 2010 | 2011 | 2012 | 2013 | |
|---------------------|--|------------------|------------------|------------------|------------------|------------------|
| 27 | Crude minerals and fertilisers: | | | | | |
| | imports | 448.6 | 551.3 | 635.6 | 587.0 | 616.1 |
| | exports | 492.8 | 478.6 | 520.0 | 433.3 | 442.4 |
| | | +44.1 | -72.7 | -115.6 | -153.7 | -173.7 |
| 28 | Metal ores and scrap: | | | | | |
| | imports | 2 483.9 | 4 168.0 | 5 038.7 | 4 197.7 | 4 387.4 |
| | exports | 2 505.3 | 4 077.5 | 5 054.7 | 4 487.8 | 3 894.6 |
| | | +21.4 | -90.5 | +16 | +290.2 | -492.8 |
| 32 | Coal, coke and briquettes: | | | | | |
| | imports | 2 702.4 | 1 908.2 | 3 026.6 | 3 174.4 | 3 023.5 |
| | exports | 115.5 | 227.7 | 185.1 | 156.4 | 158.5 |
| | | -2 586.8 | -1 680.5 | -2 841.6 | -3 018.0 | -2 864.9 |
| 33 | Petroleum, petroleum products and related materials: | | | | | |
| | imports | 23 820.8 | 31 519.6 | 43 899.5 | 48 639.4 | 43 445.0 |
| | exports | 23 038.7 | 29 610.8 | 35 956.2 | 37 500.0 | 36 023.8 |
| | | -782.1 | -1 908.8 | -7 943.3 | -11 139.4 | -7 421.2 |
| 34 | Gas, natural and manufactured: | | | | | |
| | imports | 4 938.8 | 7 104.1 | 9 359.6 | 8 010.8 | 8 604.1 |
| | exports | 2 084.7 | 3 373.6 | 4 395.1 | 3 905.9 | 3 265.3 |
| | | -2 854.1 | -3 730.5 | -4 964.5 | -4 104.9 | -5 338.8 |
| 51 | Organic chemicals: | | | | | |
| | imports | 8 420.4 | 9 545.8 | 10 260.6 | 10 301.3 | 8 261.6 |
| | exports | 8 996.7 | 8 761.5 | 9 075.7 | 8 921.4 | 7 626.8 |
| | | +576.3 | -784.3 | -1 184.9 | -1 379.9 | -634.8 |
| 52 | Inorganic chemicals: | | | | | |
| | imports | 2 749.1 | 2 950.6 | 3 528.1 | 3 171.2 | 2 501.8 |
| | exports | 2 775.4 | 3 399.7 | 2 939.4 | 2 740.8 | 2 450.7 |
| | | +26.3 | +449.1 | -588.7 | -430.4 | -84.4 |
| 56 | Manufactured fertilisers: | | | | | |
| | imports | 188.0 | 329.1 | 324.7 | 290.5 | 282.3 |
| | exports | 169.7 | 133.0 | 158.3 | 152.7 | 197.9 |
| | | -18.3 | -196.1 | -166.3 | -137.8 | -84.4 |
| 53–59 (part) | Miscellaneous chemical products: | | | | | |
| | imports | 4 586.8 | 5 822.9 | 6 595.7 | 6 260.6 | 6 510.8 |
| | exports | 3 423.3 | 4 830.6 | 5 617.8 | 5 186.6 | 5 087.9 |
| | | -1 163.5 | -992.4 | -977.9 | -1 073.9 | -1 422.9 |
| 66 | Non-metallic mineral products: | | | | | |
| | imports | 5 823.3 | 7 377.5 | 8 466.1 | 7 584.5 | 6 944.5 |
| | exports | 4 955.4 | 6 482.4 | 7 406.2 | 7 181.1 | 5 903.8 |
| | | -868.0 | -895.1 | -1 059.9 | -403.3 | -1 040.7 |
| 67 | Iron and steel: | | | | | |
| | imports | 2 708.4 | 3 884.5 | 4 962.6 | 4 778.1 | 4 012.0 |
| | exports | 3 067.6 | 3 740.1 | 4 528.0 | 4 085.9 | 4 615.1 |
| | | +359.2 | -144.4 | -434.7 | -692.2 | +603.1 |
| 68 | Non-ferrous metals: | | | | | |
| | imports | 6 448.7 | 8 850.4 | 10 321.6 | 12 715.2 | 9 751.6 |
| | exports | 3 973.6 | 5 822.0 | 8 572.6 | 6 783.8 | 7 120.1 |
| | | -2 475.1 | -3 028.4 | -1 749.1 | -5 931.4 | -2 631.5 |
| 69 | Manufactures of metal: | | | | | |
| | imports (b) | 211.0 | 212.2 | 289.3 | 326.7 | 364.6 |
| | exports (b) | 194.1 | 191.7 | 228.9 | 280.3 | 297.8 |
| | | -17.0 | -20.5 | -60.4 | -46.4 | -66.8 |
| 96 | Coin other than gold: | | | | | |
| | imports | 2.9 | 3.7 | 6.1 | 10.9 | 6.6 |
| | exports | 76.9 | 40.3 | 42.2 | 12.8 | 18.7 |
| | | +74.0 | +36.6 | +36.0 | +1.9 | +12.1 |
| | Total (excluding gold) | | | | | |
| | imports | 65 533.2 | 84 228.0 | 106 714.8 | 110 048.1 | 98 711.9 |
| | exports | 55 869.6 | 71 169.5 | 84 680.2 | 81 828.8 | 77 103.4 |
| | | -8 500.1 | -9 469.24 | -22 034.6 | -28 219.4 | -21 608.5 |
| 97 | Gold (non-monetary): | | | | | |
| | imports | 386.8 | 976.0 | ... | ... | ... |
| | exports | 1 478.9 | 2 137.4 | ... | ... | ... |
| | | +1 092.1 | +1 161.4 | ... | ... | ... |
| | Total | | | | | |
| | imports | 65 920.0 | 85 204.0 | ... | ... | ... |
| | exports | 57 348.5 | 73 306.9 | ... | ... | ... |
| | | -8 571.5 | -11 897.1 | ... | ... | ... |
| | Gold (monetary): | | | | | |
| | imports | 23 336.9 | 19 202.5 | ... | ... | ... |
| | exports | 1 082.7 | 6 213.8 | ... | ... | ... |
| | | -22 254.2 | -12 988.7 | ... | ... | ... |
| | Grand total | | | | | |
| | imports | 89 256.8 | 104 406.5 | ... | ... | ... |
| | exports | 58 431.1 | 79 520.7 | ... | ... | ... |
| | | -30 825.7 | -24 885.8 | ... | ... | ... |

(a) Imports are valued c i f and exports are valued f o b.
As of 2011 information regarding trade in gold is no longer available .

**Value of United Kingdom minerals production 2013
(total value £31 813 million)**



Value of United Kingdom construction and industrial minerals production 2013 (total value £2542 million)



Approximate value (a) of minerals produced in the United Kingdom 2007–2013

£ million

| Mineral | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Coal | 708 | 1 154 | 973 | 1 002 | 1 345 | 1 131 | 791 |
| Natural gas | 9 377 | 10 612 | 7 570 | 7 590 | 7 960 | 7 855 | 7 150 |
| Natural gas liquids | 1 749 | 2 204 | ... (b) | ... (b) | ... (b) | ... (b) | ... (b) |
| Crude petroleum | 18 979 | 25 102 | 19 075 | 23 110 | 25 505 | 22 975 | 21 330 |
| Iron ore | 0 | 0 | — | — | — | — | — |
| Tin | — | — | — | — | — | — | — |
| Gold | 1 | 3 | 4 | 4 | 6 | 3 | 1 |
| Silver | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other non-ferrous metals | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Sand and gravel | 811 | 814 | 640 | 630 | 661 | 555 | 584 |
| Limestone and dolomite | 686 | 777 | 518 | 589 | 566 | 565 | 545 |
| Igneous rock | 392 | 426 | 336 | 320 | 319 | 300 | 320 |
| Sandstone | 135 | 120 | 106 | 116 | 113 | 110 | 115 |
| Chalk | 117 | 93 | 43 | 56 | 74 | 54 | 77 |
| Clay and shale | 27 | 19 | 14 | 17 | 24 | 20 | 41 |
| China clay | 142 | 137 | 122 | 128 | 137 | 128 | 129 |
| Ball clay | 60 | 65 | 47 | 53 | 57 | 49 | 50 |
| Fuller's earth | — | — | — | — | — | — | — |
| Salt | 285 | 186 | 405 | 530 | 424 | 326 | 317 |
| Silica sand | 69 | 67 | 53 | 57 | 57 | 57 | 59 |
| Potash | 60 | 61 | 240 | 279 | 246 | 259 | 248 |
| Fluorspar | 7 | 5 | 3 | 4 | — | — | 8 |
| Gypsum and anhydrite | 19 | 14 | 14 | 14 | 14 | 14 | 14 |
| Miscellaneous minerals | 49 | 46 | 48 | 42 | 45 | 40 | 35 |
| Total | 33 673 | 41 907 | 30 211 | 34 545 | 37 554 | 34 443 | 31 814 |

At 2011 constant prices

| | | | | | | | |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Coal | 783 | 1 240 | 1 025 | 1 023 | 1 345 | 1 112 | 765 |
| Oil and gas | 33 302 | 40 728 | 28 077 | 31 359 | 33 465 | 30 315 | 27 544 |
| Metals | 1 | 3 | 4 | 4 | 7 | 3 | 1 |
| Construction and industrial minerals | 3 163 | 3 040 | 2 728 | 2 896 | 2 737 | 2 437 | 2 458 |
| Total | 37 249 | 45 011 | 31 835 | 35 282 | 37 554 | 33 867 | 30 768 |

(a) Calculated on an ex-works sales basis.

Source: British Geological Survey.

(b) Included in gas and petroleum figures.

United Kingdom approximate value of minerals produced onshore and offshore 2007–2013

£ million

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| England | | | | | | | |
| Wales | | | | | | | |
| Scotland | | | | | | | |
| Northern Ireland | | | | | | | |
| Onshore | 5 459 | 6 389 | 3 752 | 4 110 | 4 274 | 3 986 | 3 742 |
| Offshore | 28 214 | 35 518 | 26 459 | 30 435 | 33 280 | 30 457 | 28 071 |
| Total | 33 672 | 41 907 | 30 211 | 34 545 | 37 554 | 34 443 | 31 813 |

Source: British Geological Survey.

Value of the major sectors of the minerals industry in the UK, 2009-2013

| | £ million | | | | |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2009 | 2010 | 2011 | 2012 | 2013 |
| Oil and natural gas liquids | 19 075 | 23 110 | 25 505 | 22 975 | 21 330 |
| Natural gas | 7 570 | 7 590 | 7 960 | 7 855 | 7 150 |
| Coal | 973 | 1 002 | 1 345 | 1 131 | 791 |
| Aggregates | 1 425 | 1 377 | 1 410 | 1 284 | 1 345 |
| Other construction minerals | 229 | 307 | 283 | 266 | 281 |
| Industrial minerals | 935 | 1 154 | 1 043 | 929 | 915 |
| Metalliferous minerals | 4 | 5 | 7 | 4 | 1 |
| Total | 30 211 | 34 545 | 37 554 | 34 443 | 31 813 |

Source: British Geological Survey.

United Kingdom mining and quarrying: Gross value added (a) 2007–2014

| | £ million | | | | | | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Production | | | | | | | | |
| Mining and quarrying | | | | | | | | |
| Mining and quarrying of energy producing materials | | | | | | | | |
| Mining of coal and lignite | 135 | 383 | 292 | 890 | 256 | 126 | 115 | 90 |
| Extraction of crude petroleum and natural gas | 25 651 | 29 893 | 22 490 | 24 800 | 27 146 | 22 791 | 20 541 | 17 200 |
| Other mining and quarrying | 2 235 | 2 472 | 2 139 | 2 114 | 2 846 | 3 163 | 4 432 | 4 936 |
| Total mining and quarrying | 30 239 | 35 660 | 27 153 | 30 305 | 33 059 | 29 315 | 28 595 | 25 995 |
| All industries | 1 327 944 | 1 368 717 | 1 345 046 | 1 400 684 | 1 441 598 | 1 475 948 | 1 525 030 | 1 585 969 |
| of which: minerals related (%) | 2.3 | 2.6 | 2.0 | 2.2 | 2.3 | 2.0 | 1.9 | 1.6 |

(a) At current basic prices.

Source: Office for National Statistics.

United Kingdom employment in the minerals industry, 2013

Number

| 2013 | | | | | |
|---------------------------------|-------------------|----------------------|--------------------------|---------------------|--|
| Mineral | Great Britain (a) | | | Northern Ireland | |
| | Direct employment | Contractors employed | Drivers on mineral sites | | |
| Chalk | 221 | 36 | 209 | ... | |
| Clay and shale | 331 | 101 | 209 | ... | |
| Coal | 3 571 | ... | ... | — | |
| Dolomite | 148 | 24 | 470 | — | |
| Fireclay | 7 | 4 | 21 | — | |
| Igneous rock | 1 385 | 347 | 4 173 | ... | |
| Limestone | 2 133 | 493 | 5 027 | ... | |
| Oil and gas | (b) | (b) | (b) | — | |
| Peat | 232 | 31 | 184 | ... | |
| Sand and gravel | 1 770 | 3 109 | 5 765 | ... | |
| Sandstone | 765 | 141 | 1 380 | ... | |
| Silica sand | 74 | 9 | 99 | ... | |
| Others (including ore minerals) | ... | ... | ... | ... | |

(a) Where more than one mineral is extracted at a mine or quarry all employment is attributed to the chief mineral.

(b) Oil and Gas UK estimates the workforce employed on the UK Continental Shelf at 450 000, of which 36 000 are directly employed by exploration and production companies.

These figures should not be used for time series analysis due to changes in question format over recent years.

Sources: Office for National Statistics, Department of Enterprise Trade and Investment (Northern Ireland), The Coal Authority, Department for Business Innovation and Skills.

United Kingdom production of minerals 2007–2014

Thousand tonnes

| Mineral | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 (Estimated) |
|-----------------------------------|--------|--------|---------|-----------|------------|------------|------------|---------------------|
| Coal: | | | | | | | | |
| Deep-mined | 7 674 | 8 096 | 7 520 | 7 390 | 7 312 | 6 153 | 4 089 | 3 685 |
| Opencast | 8 866 | 9 509 | 9 854 | 10 426 | 10 580 | 10 134 | 8 584 | 7 849 |
| Other (a) | 467 | 449 | 500 | 600 | 735 | 760 | 175 | — |
| Natural gas and oil: | | | | | | | | |
| Methane (oil equivalent) | | | | | | | | |
| Colliery | 62 | 63 | 62 | 71 | 58 | 52 | 52 | 50 |
| Onshore | 105 | 92 | 89 | 88 | 27 | 15 | 10 | } 36 600 |
| Offshore | 71 957 | 69 525 | 59 581 | 57 036 | 45 204 | 38 850 | 36 460 | |
| Crude oil | | | | | | | | |
| Onshore | 1 271 | 1 248 | 1 181 | 941 | 678 | 870 | 1 003 | } 37 245 |
| Offshore | 69 086 | 64 249 | 61 639 | 57 106 | 47 893 | 41 182 | 37 453 | |
| Condensates and other (c) | | | | | | | | |
| Onshore | 38 | 33 | 32 | 17 | 0 | 13 | 20 | } 2 453 |
| Offshore | 6 180 | 6 135 | 5 346 | 4 898 | 3 401 | 2 495 | 2 170 | |
| Iron ore | 0.3 | 0.1 | — | — | — | — | — | — |
| Non-ferrous ores (metal content): | | | | | | | | |
| Tin | — | — | — | — | — | — | — | — |
| Lead (h) | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.1 | 0.1 | 0.1 |
| Gold (kg) | 88 | 163 | 187 | 177 | 202 | 102 | 42 | ... |
| Silver (kg) | 212 | 398 | 514 | 506 | 531 | 230 | 82 | ... |
| Chalk (e) | 7 566 | 5 874 | 4 047 | 3 626 | 3 996 | 3 473 | 3 528 | 3 800 |
| Clay and shale (e) | 10 104 | 8 459 | 5 310 | 5 934 | 6 154 | 5 497 | 6 464 | 7 500 |
| Igneous rock (j) (k) | 58 909 | 53 490 | 44 618 | 44 876 | (l) 44 400 | (l) 40 200 | (l) 40 500 | 44 000 |
| Limestone (excluding dolomite) | 83 491 | 74 145 | 60 111 | 56 985 | (l) 58 100 | (l) 54 800 | (l) 56 900 | } 65 500 |
| Dolomite (excluding limestone) | 7 622 | 5 509 | 3 164 | 4 540 | 4 490 | 4 896 | 3 432 | |
| Sand and gravel: | | | | | | | | |
| Land | 72 810 | 66 640 | 50 973 | 47 167 | (l) 45 800 | (l) 41 800 | (l) 43 400 | } 62 200 |
| Marine (i) | 20 426 | 18 833 | 15 253 | 14 533 | 17 287 | 14 840 | 14 577 | |
| Sandstone | 16 806 | 12 255 | 12 335 | 11 556 | (l) 12 300 | (l) 11 500 | (l) 11 500 | 12 500 |
| Slate (g) | 1 428 | 1 058 | 683 | 695 | 763 | 701 | 885 | 1 000 |
| Ball clay (sales) | 1 022 | 1 020 | 727 | (h) 900 | (h) 930 | (h) 748 | (h) 740 | 733 |
| Barytes | 53 | 43 | 36 | 34 | 31 | 30 | 30 | 44 |
| Chert and flint | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| China clay (sales) (d) | 1 671 | 1 355 | 1 060 | (h) 1 140 | (h) 1 290 | (h) 1 150 | (h) 1 110 | 1 090 |
| China stone | 1 | 0.5 | — | — | — | — | — | — |
| Fireclay (e) | 338 | 180 | 129 | 110 | 162 | 96 | 105 | 100 |
| Fluorspar (h) | 45 | 37 | 19 | 26 | — | — | 30 | 77 |
| Gypsum (natural) (h) | 1 700 | 1 200 | 1 200 | 1 200 | 1 200 | 1 200 | 1 200 | 1 200 |
| Lignite | ... | ... | ... | ... | ... | ... | ... | ... |
| Peat (000 m ³) | 885 | 760 | 887 | 1 004 | 825 | 568 | 1 254 | 1 300 |
| Potash (b) | 712 | 673 | (h) 700 | (h) 700 | (h) 770 | (h) 900 | (h) 900 | 900 |
| Salt | 5 600 | 5 565 | 6 166 | 6 666 | 6 060 | 6 152 | 6 601 | 6 600 |
| Silica sand | 4 909 | 4 777 | 3 755 | 4 070 | 3 969 | 3 888 | 3 961 | 4 000 |
| Talc | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 |

(a) Slurry etc. recovered from dumps, ponds, rivers etc.

(b) Marketable product (KCl).

(c) Including ethane, propane and butane, in addition to condensates.

(d) Dry weight.

(e) Excluding a small production in Northern Ireland.

(f) BGS estimates based on data from producing companies.

(g) Slate figures include waste used for constructional fill and powder and granules used in industry.

(h) BGS estimate.

(i) Including marine-dredged landings at foreign ports (exports).

(j) Excluding a small production of granite in Northern Ireland.

(k) In addition, the following amounts of igneous rock were produced in Guernsey (thousand tonnes): 2006: 136; 2007: 160; 2008: 139; 2009: 120; 2010: 116; 2011: 156; 2012: 169 and Jersey: 2007: 295; 2008: 325; 2009: 249; 2010: 238; 2011: 220; 2012: 239; 2013: 176 2013: 149.

(l) Contains an estimate related to Northern Ireland production.

Sources: Office for National Statistics, Department of Business, Innovation and Skills, Dept. of Enterprise, Trade & Investment (Northern Ireland), Crown Estate Commissioners (marine sand and gravel produced for export), and company data.

England production of minerals 2007–2013

Thousand tonnes

| Mineral | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Coal: | | | | | | | |
| Deep-mined | 7 452 | 7 817 | 7 397 | 7 344 | 7 231 | 6 013 | 3 998 |
| Opencast | 1 619 | 2 139 | 2 137 | 2 689 | 2 949 | 2 956 | 3 412 |
| Other (a) | ... | ... | ... | ... | ... | ... | ... |
| Natural gas and oil: | | | | | | | |
| Methane (oil equivalent) | | | | | | | |
| Colliery | ... | ... | ... | ... | ... | ... | ... |
| Onshore | ... | ... | ... | ... | ... | ... | ... |
| Offshore | ... | ... | ... | ... | ... | ... | ... |
| Crude oil | | | | | | | |
| Onshore | ... | ... | ... | ... | ... | ... | ... |
| Offshore | ... | ... | ... | ... | ... | ... | ... |
| Condensates and other (c) | ... | ... | ... | ... | ... | ... | ... |
| Iron ore | — | — | — | — | — | — | — |
| Non-ferrous ores (metal content): | | | | | | | |
| Tin | — | — | — | — | — | — | — |
| Lead (e) | 0.2 | 0.1 | 0.1 | 0.1 | — | — | 0.1 |
| Zinc | — | — | — | — | — | — | — |
| Chalk | 7 565 | 5 874 | 4 047 | 3 626 | 3 996 | 3 473 | 3 528 |
| Clay and shale (b) | 9 269 | 7 682 | 4 666 | 5 424 | 5 852 | 5 298 | 6 026 |
| Igneous rock | 21 865 | 21 056 | 17 846 | 17 460 | 17 428 | 15 646 | 17 569 |
| Limestone (h) | 67 378 | 60 738 | 48 751 | 47 569 | ... | ... | ... |
| Dolomite (i) | ... | ... | ... | ... | ... | ... | ... |
| Limestone and dolomite | ... | ... | ... | ... | 49 772 | 46 976 | 46 423 |
| Sand and gravel: | | | | | | | |
| Land | 54 512 | 61 669 | 37 810 | 36 723 | 36 589 | 33 229 | 35 846 |
| Marine (f) | 19 274 | 17 746 | 14 380 | 13 801 | 16 548 | 14 227 | 9 854 |
| Sandstone | 6 918 | 5 854 | 3 980 | 4 176 | 4 454 | 4 451 | 4 318 |
| Slate (g) | ... | ... | ... | ... | ... | ... | ... |
| Anhydrite | ... | ... | ... | ... | ... | ... | ... |
| Ball clay (sales) | 1 022 | 1 020 | 727 | (e) 900 | (e) 930 | (e) 750 | (e) 740 |
| Barytes | 10 | 7 | 3 | — | — | — | 2 |
| Calcspars | — | — | — | — | — | — | — |
| Chert and flint | 1 | 1 | 1 | ... | ... | ... | ... |
| China clay (sales) (j) | 1 671 | 1 355 | 1 060 | (e) 1,140 | (e) 1,290 | (e) 1,150 | (e) 1,110 |
| China stone | 1 | 0 | 0 | (e) 0 | (e) 0 | (e) 0 | (e) 0 |
| Fireclay | 305 | 168 | 128 | 108 | 154 | ... | 98 |
| Fluorspar (e) | 43 | 37 | 19 | 26 | — | — | 30 |
| Gypsum (natural) | (e) 1,700 | (e) 1,200 | (e) 1,200 | (e) 1,200 | (e) 1,200 | (e) 1,200 | (e) 1,200 |
| Lignite | ... | ... | ... | ... | ... | ... | ... |
| Peat (000 m ³) | 654 | 496 | 476 | 456 | 429 | 422 | 661 |
| Potash (d) | 712 | 673 | 700 | 700 | 770 | 900 | 900 |
| Potter's clay | ... | ... | ... | ... | ... | ... | ... |
| Rock salt | ... | ... | ... | ... | ... | ... | ... |
| Salt | 5 320 | 5 287 | 5 858 | 6 333 | 5 771 | 6 152 | 6 601 |
| Silica sand | 4 335 | 4 208 | 3 293 | 3 633 | 3 533 | 3 361 | 3 620 |
| Silica stone and ganister | ... | ... | ... | ... | ... | ... | ... |

(a) Slurry etc. recovered from dumps, ponds, rivers etc.

(b) Including potter's clay.

(c) Including ethane, propane and butane, in addition to condensates.

(d) Marketable product (KCl).

(e) BGS estimate.

(f) Including marine-dredged landings at foreign ports (exports).

(g) Slate figures include waste used for constructional fill and powder and granules used in industry.

(h) Including dolomite for constructional uses.

(i) Dolomite and magnesian limestone used for constructional and agricultural purposes as well as for refractory, chemical and other purposes specifically dependent on the high magnesium content.

(j) Dry weight.

Sources: Office for National Statistics, Department of Business, Innovation and Skills, Crown Estate Commissioners (marine sand and gravel produced for export) and company data.

Wales production of minerals 2007–2013

Thousand tonnes

| Mineral | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------------------|--------|--------|-------|-------|-------|-------|-------|
| Coal: | | | | | | | |
| Deep-mined | 253 | 110 | 99 | 47 | 82 | 139 | 91 |
| Opencast | 1 060 | 1 632 | 1 598 | 1 699 | 2 103 | 2 408 | 2 343 |
| Other (a) | ... | ... | ... | ... | ... | ... | ... |
| Natural gas and oil: | | | | | | | |
| Methane (oil equivalent) | | | | | | | |
| Colliery | ... | ... | ... | ... | ... | ... | ... |
| Onshore | — | — | — | — | — | — | — |
| Offshore | ... | ... | ... | ... | ... | ... | ... |
| Crude oil | | | | | | | |
| Onshore | — | — | — | — | — | — | — |
| Offshore | ... | ... | ... | ... | ... | ... | ... |
| Condensates and other (b) | ... | ... | ... | ... | ... | ... | ... |
| Non-ferrous ores (metal content): | | | | | | | |
| Gold | — | — | — | — | — | — | — |
| Clay and shale | 405 | 104 | 151 | ... | 165 | 141 | ... |
| Igneous rock | 2 474 | 3 028 | 1 932 | 2 294 | 2 450 | 1 769 | 1 905 |
| Limestone (d) | 14 549 | 12 114 | 8 131 | 7 878 | ... | ... | ... |
| Dolomite (e) | ... | ... | ... | ... | ... | ... | ... |
| Limestone and dolomite | ... | ... | ... | ... | 7 897 | 7 938 | 8 934 |
| Sand and gravel: | | | | | | | |
| Land | 1 187 | 1 275 | 795 | 901 | 870 | 751 | 673 |
| Marine | 1 152 | 1 086 | 873 | 732 | 740 | 613 | 632 |
| Sandstone | 3 558 | 2 323 | 2 667 | 2 807 | 3 114 | 2 701 | 2 774 |
| Slate (c) | ... | ... | ... | ... | ... | ... | ... |
| Fireclay | — | — | — | — | — | — | — |
| Silica sand | 71 | 62 | 59 | ... | ... | 86 | ... |

(a) Slurry etc. recovered from dumps, ponds, rivers etc.

(b) Including ethane, propane and butane, in addition to condensates.

(c) Slate figures include waste used for constructional fill and powder and granules used in industry.

(d) Including dolomite for constructional uses.

(e) Dolomite and magnesian limestone used for constructional and agricultural purposes as well as for refractory, chemical and other purposes specifically dependent on the high magnesium content.

Sources: Office for National Statistics, Department of Business, Innovation and Skills and company data.

Scotland production of minerals 2007–2013

Thousand tonnes

| Mineral | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|
| Coal: | | | | | | | |
| Deep-mined | — | — | — | — | — | — | — |
| Opencast | 6 188 | 5 678 | 6 037 | 6 038 | 5 528 | 4 823 | 2 835 |
| Other (a) | ... | ... | ... | ... | ... | ... | ... |
| Natural gas and oil: | | | | | | | |
| Methane (oil equivalent) | | | | | | | |
| Colliery | ... | ... | ... | ... | ... | ... | ... |
| Onshore | — | — | — | — | — | — | — |
| Offshore | ... | ... | ... | ... | ... | ... | ... |
| Crude oil | | | | | | | |
| Onshore | — | — | — | — | — | — | — |
| Offshore | ... | ... | ... | ... | ... | ... | ... |
| Condensates and other (b) | ... | ... | ... | ... | ... | ... | ... |
| Clay and shale | 429 | 674 | 494 | ... | 137 | 57 | ... |
| Igneous rock | 26 345 | 22 925 | 19 082 | 19 684 | 19 113 | 17 383 | 15 623 |
| Limestone (d) | 1 555 | 1 473 | 1 210 | 1 072 | ... | ... | ... |
| Dolomite (e) | ... | ... | ... | ... | ... | ... | ... |
| Limestone and dolomite | ... | ... | ... | ... | 1 251 | 1 120 | 1 269 |
| Sand and gravel (land-won) | 9 025 | 8 097 | 7 512 | 7 365 | 6 366 | 5 772 | 4 911 |
| Sandstone | 1 502 | 1 381 | 1 895 | 1 806 | 1 910 | 1 564 | 1 591 |
| Slate (c) | ... | ... | ... | ... | ... | ... | ... |
| Barytes | 42 | 36 | 34 | 31 | 31 | 30 | 28 |
| Fireclay | 32 | 12 | 1 | 3 | 8 | ... | 7 |
| Honestone | ... | ... | ... | ... | ... | ... | ... |
| Peat (000 m ³) | 231 | 265 | 412 | 548 | 395 | 146 | 594 |
| Silica sand | 503 | 508 | 403 | ... | ... | 440 | ... |
| Talc | 3 | 2 | 3 | 3 | 4 | 4 | 3 |

(a) Slurry etc. recovered from dumps, ponds, rivers etc.

(b) Including ethane, propane and butane, in addition to condensates.

(c) Slate figures include waste used for constructional fill and powder and granules used in industry.

(d) Including dolomite for constructional uses.

(e) Dolomite and magnesian limestone used for constructional and agricultural purposes as well as for refractory, chemical and other purposes specifically dependent on the high magnesium content.

Sources: Office for National Statistics, Department of Business, Innovation and Skills and company data.

Minerals produced in Northern Ireland, the Isle of Man, Guernsey and Jersey 2009-2013

Thousand tonnes

| | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------------|---------------|---------------|------------|------------|------------|
| Northern Ireland | | | | | |
| Gold (kg) | 187 | 177 | 202 | 102 | 42 |
| Silver (kg) | 514 | 506 | 531 | 230 | 82 |
| Lead (tonnes) | 243 | 251 | 280 | 60 | 36 |
| Limestone | 3 972 | 3 689 | ... | ... | ... |
| Sand and gravel | 4 856 | 2 178 | ... | ... | ... |
| Basalt and igneous rock (a) | 5 758 | 5 438 | ... | ... | ... |
| Sandstone | 3 793 | 2 768 | ... | ... | ... |
| Granite | ... | ... | ... | ... | ... |
| Clay and shale | ... | ... | ... | ... | ... |
| Others (b) | 1 998 | 2 087 | ... | ... | ... |
| Total | 20 377 | 16 160 | ... | ... | ... |
| Isle of Man | | | | | |
| Limestone | 352 | 71 | 82 | 72 | 56 |
| Sand and gravel | 171 | 145 | 141 | 101 | 96 |
| Igneous rock | 132 | 109 | 96 | 94 | 110 |
| Slate | 45 | 28 | 29 | 23 | 17 |
| Total | 701 | 353 | 347 | 290 | 279 |
| Guernsey | | | | | |
| Igneous rock | 120 | 116 | 156 | 169 | 149 |
| Jersey | | | | | |
| Igneous rock (c) | 249 | 238 | 220 | 239 | 176 |
| Sand and gravel | 67 | 57 | 74 | 46 | 44 |

(a) Excluding granite.

(b) Including rock salt, chalk, dolomite, fireclay and granite.

(c) BGS estimates.

Sources: Department of Enterprise, Trade & Investment (Northern Ireland), Department of Economic Development (Isle of Man), Company data (Guernsey and Jersey).

Number of mineral workings in the United Kingdom, by commodity (a) (b)

| Commodity | Region | | | | | | | | | | | | | | | Number |
|----------------------------|-----------------------|---------------------------|-----------------------|------------------|------------------|--------------------|-------------------|-----------------------|-----------------------|------------------|------------|------------|----------------|---------------------|--------------------|--------------|
| | North East England | Yorkshire & the Humber | North West England | East Midlands | West Midlands | East of England | Greater London | South East England | South West England | England Total | Wales | Scotland | Isle of Man | Northern Ireland | Channel Islands | Total |
| Abandoned mine methane | — | 6 | — | 9 | 2 | — | — | — | — | 17 | 2 | — | — | — | — | 19 |
| Anhydrite | — | — | — | — | 1 | — | — | — | — | 1 | — | — | — | — | — | 1 |
| Ball clay | — | — | — | — | — | — | — | — | 18 | 18 | — | — | — | — | — | 18 |
| Barytes | — | — | — | 4 | — | — | — | — | — | 4 | — | 1 | — | — | — | 5 |
| Bauxite | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — |
| Chalk | — | 15 | — | 2 | — | 14 | — | 16 | 1 | 48 | — | — | — | 4 | — | 52 |
| Chert | — | — | — | — | — | — | — | — | — | 0 | 1 | — | — | — | — | 1 |
| China clay | — | — | — | — | — | — | — | — | 14 | 14 | — | — | — | — | — | 14 |
| China clay waste | — | — | — | — | — | — | — | — | 7 | 7 | — | — | — | — | — | 7 |
| Clay & shale | 6 | 27 | 16 | 17 | 27 | 5 | — | 24 | 11 | 133 | 8 | 4 | — | 14 | — | 159 |
| Coal, underground | 1 | 2 | 1 | 1 | — | — | — | — | 1 | 6 | 1 | — | — | — | — | 7 |
| Coal, surface-mined | 6 | 1 | — | 2 | 2 | — | — | — | — | 11 | 8 | 13 | — | — | — | 32 |
| Coalbed methane | — | — | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 |
| Fireclay | — | 4 | 1 | 1 | 2 | — | — | — | — | 8 | — | 1 | — | — | — | 9 |
| Flint | — | 2 | — | — | — | 4 | — | 2 | — | 8 | — | — | — | — | — | 8 |
| Fluorspar | 1 | — | — | 5 | — | — | — | — | — | 6 | — | — | — | — | — | 6 |
| Gold | — | — | — | — | — | — | — | — | — | 0 | — | — | — | 1 | — | 1 |
| Gypsum (c) | — | — | 1 | 3 | 1 | — | — | 1 | — | 6 | — | — | — | — | — | 6 |
| Igneous & metamorphic rock | 8 | — | 2 | 7 | 4 | — | — | — | 12 | 33 | 16 | 122 | 2 | 46 | 4 | 223 |
| Iron ore - ironstone | — | — | — | — | — | — | — | 3 | — | 3 | — | — | — | — | — | 3 |
| Lead | — | — | — | 4 | — | — | — | — | — | 4 | — | — | — | 1 | — | 5 |
| Limestone / dolomite | 19 | 32 | 22 | 52 | 8 | 4 | — | 14 | 83 | 234 | 35 | 16 | 2 | 20 | — | 307 |
| Marble | — | — | — | — | — | — | — | — | — | 0 | — | 1 | — | — | — | 1 |
| Mine drainage gas | — | 1 | — | 1 | — | — | — | — | — | 2 | — | — | — | — | — | 2 |
| Natural gas | — | 10 | 1 | 3 | — | — | — | 1 | 1 | 16 | — | — | — | — | — | 16 |
| Oil | — | 1 | — | 35 | — | — | — | 22 | 4 | 62 | — | — | — | — | — | 62 |
| Peat | 1 | 3 | 8 | — | — | 1 | — | — | 39 | 52 | 2 | 24 | — | 8 | — | 86 |
| Potash | — | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 |
| Salt | — | 1 | 4 | — | — | — | — | — | — | 5 | — | — | — | 1 | — | 6 |
| Sand | 5 | 6 | 5 | 1 | 3 | 13 | 1 | 32 | 10 | 76 | 2 | 16 | — | 3 | 1 | 98 |
| Sand & gravel | 7 | 22 | 23 | 44 | 34 | 94 | 5 | 55 | 27 | 311 | 14 | 122 | 3 | 28 | — | 478 |
| Sandstone | 19 | 55 | 35 | 22 | 17 | 7 | — | 5 | 23 | 183 | 23 | 50 | — | 35 | — | 291 |
| Silica sand | 1 | 2 | 5 | 2 | 1 | 16 | — | 5 | 1 | 33 | — | 6 | — | — | — | 39 |
| Silver | — | — | — | — | — | — | — | — | — | 0 | — | — | — | 1 | — | 1 |
| Slate | — | — | 10 | — | — | — | — | — | 7 | 17 | 13 | — | 3 | 1 | — | 34 |
| Slate waste | — | — | 1 | — | — | — | — | — | — | 1 | 12 | — | — | — | — | 13 |
| Talc | — | — | — | — | — | — | — | — | — | 0 | — | 1 | — | — | — | 1 |
| Tin | — | — | — | — | — | — | — | — | 2 | 2 | — | — | — | — | — | 2 |
| Total | 74 | 191 | 136 | 215 | 102 | 158 | 6 | 180 | 261 | 1 323 | 137 | 377 | 10 | 164 | 5 | 2 015 |

(a) As at April 2015.

(b) Double counting may occur because some workings produce more than one mineral.

(c) Excludes desulphogypsum manufacture.

Source: British Geological Survey.

Abrasives, natural

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|-----------|-----------|------------|-----------|-----------|------------|--------|--------|--------|--------|
| | Carats | | | | | £ thousand | | | | |
| Abrasives | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Natural abrasives | | | | | | | | | | |
| Industrial diamonds | 3 321 670 | 7 299 364 | 10 236 376 | 7 747 613 | 6 399 457 | 7 623 | 30 724 | 20 976 | 94 825 | 29 588 |
| | Tonnes | | | | | | | | | |
| Dust and powder of precious and semi-precious stones | 24 | 27 | 473 | 1 264 | 775 | 6 756 | 11 006 | 11 853 | 9 799 | 11 621 |
| Pumice | 1 668 | 2 062 | 2 067 | 1 255 | 3 406 | 1 130 | 1 183 | 810 | 512 | 954 |
| Other | 11 748 | 11 876 | 13 876 | 14 706 | 17 304 | 2 634 | 3 012 | 3 788 | 3 580 | 4 113 |
| | Carats | | | | | | | | | |
| <i>Exports</i> | | | | | | | | | | |
| Natural abrasives | | | | | | | | | | |
| Industrial diamonds | 4 440 922 | 2 478 568 | 3 864 054 | 3 949 553 | 2 001 018 | 13 977 | 21 248 | 25 685 | 24 931 | 19 219 |
| | Tonnes | | | | | | | | | |
| Dust and powder of precious and semi-precious stones | 27 | 30 | 409 | 633 | 103 | 8 315 | 14 892 | 14 216 | 12 659 | 14 156 |
| Pumice | 307 | 704 | 136 | 87 | 138 | 534 | 997 | 448 | 129 | 176 |
| Other | 1 203 | 1 562 | 1 250 | 1 857 | 1 609 | 1 283 | 1 890 | 513 | 1 035 | 1 507 |

Aggregates

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------|-------------|-------------|-----------------|-----------------|-----------------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Aggregates | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Sand and gravel (a) | 66 226 000 | 61 700 000 | (d) 63 100 000 | (d) 56 600 000 | (d) 58 000 000 | | | | | |
| Crushed rock (b) | 104 626 000 | 94 203 000 | (d) 102 800 000 | (d) 94 800 000 | (d) 94 300 000 | | | | | |
| Total | 170 852 000 | 155 903 000 | (d) 165 900 000 | (d) 151 400 000 | (d) 152 300 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Natural aggregates- | | | | | | | | | | |
| Sand and gravel | 444 725 | 343 749 | 357 607 | 519 089 | 493 102 | 12 212 | 10 874 | 12 454 | 16 436 | 15 483 |
| Crushed rock (c) | 1 609 546 | 1 896 201 | 1 705 153 | 1 273 059 | 430 464 | 26 157 | 30 740 | 36 384 | 22 718 | 19 243 |
| Total | 2 054 271 | 2 239 950 | 2 062 760 | 1 792 148 | 923 566 | 38 369 | 41 614 | 48 838 | 39 154 | 34 726 |
| <i>Exports</i> | | | | | | | | | | |
| Natural aggregates- | | | | | | | | | | |
| Sand and gravel (e) | 6 236 662 | 6 081 730 | 5 413 300 | 4 572 346 | 4 326 631 | 48 688 | 44 819 | 45 162 | 36 053 | 34 708 |
| Crushed rock | 4 916 514 | 4 910 701 | 5 387 038 | 4 251 427 | 4 896 911 | 36 965 | 36 490 | 40 856 | 32 165 | 37 802 |
| Total | 11 153 176 | 10 992 431 | 10 800 337 | 8 823 773 | 9 223 816 | 85 653 | 81 309 | 86 019 | 68 217 | 72 510 |

(a) Including production from marine dredging.

(b) Includes small quantities for other purposes in Northern Ireland.

(c) For a number of years, a significant amount of armoustone imports were believed to be wrongly classified as 'granite, crude'. Care should be taken when comparing long time trends.

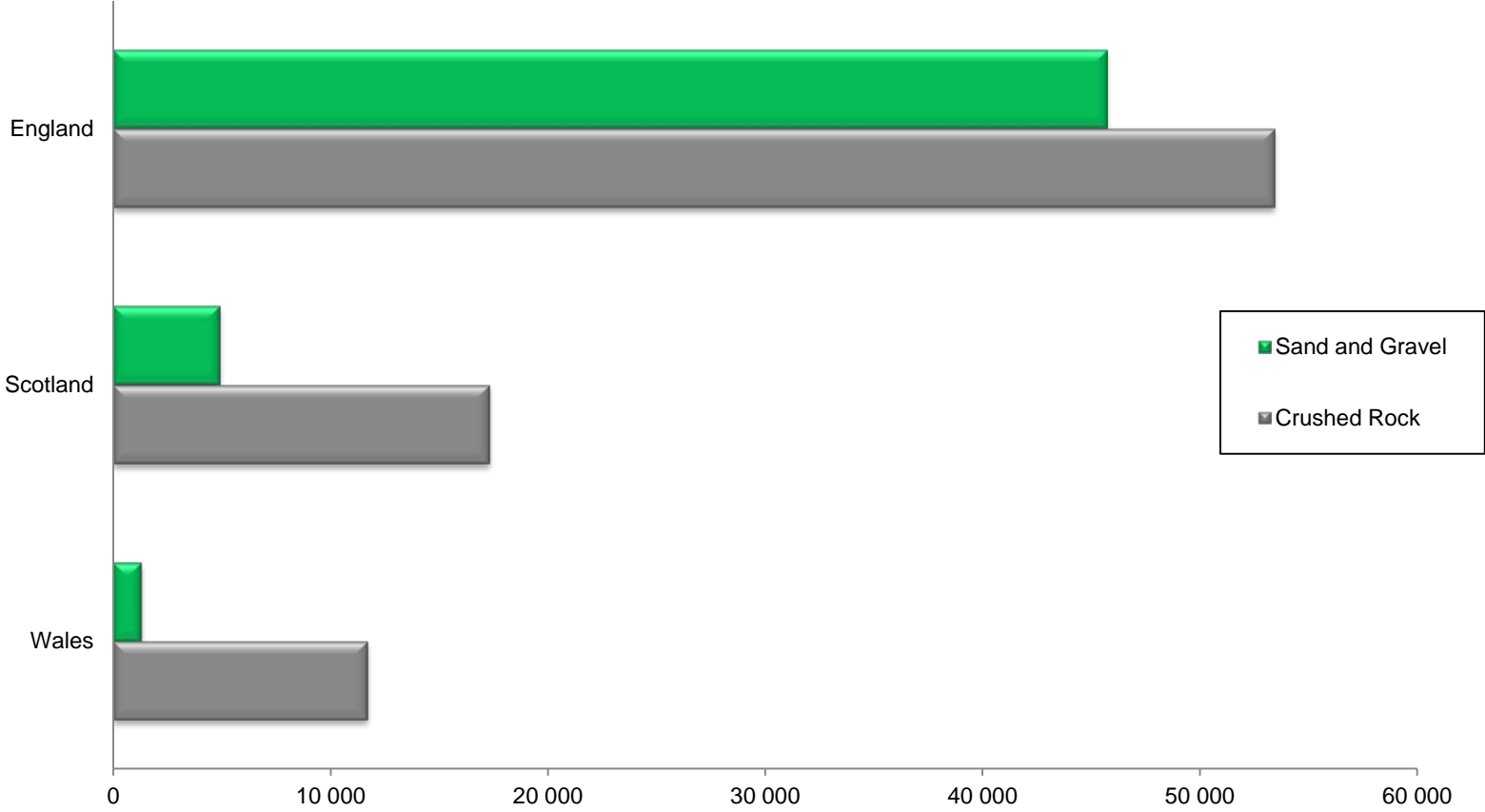
(d) Includes an estimate for Northern Ireland.

(e) Principally marine-dredged sand and gravel.

Source: HM Revenue and Customs.

However, the Crown Estate Commissioners give the following figures for marine-dredged sand and gravel landed at foreign ports (tonnes): 2009: 5 660 522; 2010: 5 192 348; 2011: 6 098 020; 2012: 4 548 675; 2013: 4 089 687.

Great Britain production of crushed rock aggregate and sand and gravel by country 2013



England and Wales summary of consumption of primary aggregates, by region 2009 (a) (b)

Thousand tonnes

| Region | Land-won sand and gravel | Marine sand and gravel | Total sand and gravel | Crushed rock | Total primary aggregate |
|--------------------------|--------------------------|------------------------|-----------------------|---------------|-------------------------|
| South West | 2 960 | 511 | 3 471 | 12 238 | 15 710 |
| South East | 5 679 | 4 700 | 10 380 | 5 383 | 15 762 |
| London | 1 459 | 3 824 | 5 283 | 4 086 | 9 369 |
| East of England | 8 412 | 336 | 8 748 | 4 276 | 13 024 |
| East Midlands | 5 569 | 0 | 5 569 | 10 613 | 16 183 |
| West Midlands | 5 427 | 17 | 5 444 | 5 040 | 10 484 |
| North West | 1 891 | 76 | 1 967 | 10 299 | 12 266 |
| Yorkshire and the Humber | 2 980 | 234 | 3 214 | 7 779 | 10 993 |
| North East | 1 444 | 515 | 1 959 | 3 522 | 5 481 |
| England | 35 821 | 10 214 | 45 035 | 63 236 | 109 271 |
| South Wales | 209 | 516 | 724 | 5 886 | 6 611 |
| North Wales | 491 | 53 | 544 | 2 694 | 3 238 |
| Wales | 700 | 568 | 1 268 | 8 580 | 9 848 |
| England and Wales | 36 521 | 10 782 | 47 303 | 71 816 | 119 120 |

(a) For aggregate use only.

Source: Collation of the Results of the 2009 Aggregate Minerals Survey for England and Wales. British Geological Survey.

(b) The figure for total consumption slightly under estimates true consumption because for some regions unallocated sales have an unknown destination. Total unallocated sales were (thousand tonnes): sand and gravel: 518; crushed rock: 1785.

Permitted reserves of primary aggregate minerals in England and Wales for active and inactive sites at 31st December 2009 (a)

Thousand tonnes

| Region | Sand and gravel | | | | | Crushed rock | | | | | Grand total (excluding dormant) |
|----------------------------|-----------------|--------------------------|----------------------------|----------------|---------------|------------------|--------------------------|----------------------------|------------------|----------------|---------------------------------|
| | Active | Inactive: worked in past | Inactive: yet to be worked | Total | Dormant (b) | Active | Inactive: worked in past | Inactive: yet to be worked | Total | Dormant (b) | |
| South West | 32 168 | 3 558 | 4 781 | 40 508 | (c) | 711 883 | 156 475 | 0 | 868 359 | 305 285 | 908 866 |
| South East | 63 607 | 4 602 | 10 837 | 79 046 | 2 020 | 44 903 | 9 002 | 4 899 | 58 804 | 685 | 137 850 |
| London | 1 702 | (c) | (c) | 1 952 | (c) | 0 | 0 | 0 | 0 | 0 | 1 952 |
| East of England | 120 692 | 14 213 | 12 467 | 147 372 | 2 082 | 2 243 | 1 100 | 0 | 3 343 | 2 900 | 150 715 |
| East Midlands | 54 764 | 9 391 | 16 439 | 80 594 | 7 270 | 1 018 426 | 285 032 | 0 | 1 303 457 | 33 379 | 1 384 052 |
| West Midlands | 77 791 | 25 693 | 210 | 103 694 | 3 500 | 217 306 | 67 775 | 26 700 | 311 781 | 4 600 | 415 476 |
| North West | 30 042 | 7 623 | 4 100 | 41 765 | (c) | 307 309 | 17 771 | 2 300 | 327 380 | 0 | 369 146 |
| Yorkshire and the Humber | 28 493 | 5 507 | 0 | 34 000 | (c) | 284 660 | 16 437 | 0 | 301 097 | 0 | 335 096 |
| North East | 8 713 | 6 624 | 0 | 15 337 | 1 200 | 167 335 | 49 226 | 0 | 216 561 | 23 313 | 231 898 |
| England | 417 972 | 77 461 | 48 834 | 544 267 | 17 437 | 2 754 065 | 602 818 | 33 899 | 3 390 782 | 370 162 | 3 935 049 |
| South Wales | 1 672 | 0 | 0 | 1 672 | 350 | 286 742 | 132 220 | 0 | 418 962 | 21 006 | 420 634 |
| North Wales | 17 272 | 2 002 | 0 | 19 274 | 840 | 167 786 | 4 641 | 0 | 172 428 | 1 405 | 191 701 |
| Wales | 18 943 | 2 002 | 0 | 20 945 | 1 190 | 454 529 | 136 861 | 0 | 591 390 | 22 411 | 612 335 |
| England & Wales | 436 915 | 79 463 | 48 834 | 565 212 | 18 627 | 3 208 594 | 739 680 | 33 899 | 3 982 172 | 392 573 | 4 547 384 |

(a) For aggregate use only.

Source: Collation of the Results of the 2009 Aggregate Minerals Survey for England and Wales. British Geological Survey.

(b) Reserves in 'dormant' sites are not included in 'inactive sites worked in the past' nor in the totals.

(c) Confidential, but totals remain correct.

Great Britain estimated consumption of natural aggregates 1960–2013

Million tonnes

| Year | Crushed rock aggregate (c) | | | | Sand and gravel (b) | | | Total crushed rock and sand and gravel |
|------|----------------------------|--------------|-----------|-------|---------------------|--------|-------|--|
| | Limestone (a) | Igneous rock | Sandstone | Total | Sand | Gravel | Total | |
| 1960 | 18 | 15 | 4 | 37 | 38 | 38 | 76 | 113 |
| 1961 | 20 | 16 | 4 | 40 | 42 | 43 | 85 | 125 |
| 1962 | 21 | 16 | 4 | 41 | 42 | 43 | 85 | 126 |
| 1963 | 23 | 17 | 4 | 44 | 44 | 45 | 89 | 133 |
| 1964 | 29 | 20 | 5 | 54 | 52 | 54 | 106 | 160 |
| 1965 | 34 | 20 | 5 | 59 | 50 | 52 | 102 | 161 |
| 1966 | 40 | 22 | 6 | 68 | 50 | 56 | 106 | 174 |
| 1967 | 48 | 25 | 7 | 80 | 52 | 60 | 112 | 192 |
| 1968 | 53 | 27 | 11 | 91 | 54 | 58 | 112 | 203 |
| 1969 | 55 | 28 | 14 | 97 | 52 | 57 | 109 | 206 |
| 1970 | 59 | 28 | 11 | 98 | 53 | 57 | 110 | 208 |
| 1971 | 62 | 29 | 9 | 100 | 53 | 59 | 112 | 212 |
| 1972 | 61 | 32 | 10 | 103 | 55 | 63 | 118 | 221 |
| 1973 | 74 | 38 | 14 | 126 | 62 | 68 | 130 | 256 |
| 1974 | 72 | 34 | 12 | 118 | 53 | 60 | 113 | 231 |
| 1975 | 67 | 32 | 10 | 110 | 54 | 63 | 117 | 227 |
| 1976 | 60 | 28 | 10 | 98 | 51 | 59 | 110 | 208 |
| 1977 | 59 | 26 | 9 | 94 | 46 | 53 | 99 | 193 |
| 1978 | 61 | 28 | 10 | 99 | 48 | 55 | 102 | 201 |
| 1979 | 65 | 29 | 10 | 104 | 49 | 54 | 103 | 207 |
| 1980 | 65 | 28 | 10 | 103 | 45 | 52 | 96 | 199 |
| 1981 | 57 | 25 | 10 | 92 | 41 | 48 | 89 | 182 |
| 1982 | 62 | 30 | 11 | 103 | 42 | 49 | 91 | 194 |
| 1983 | 70 | 31 | 11 | 112 | 46 | 55 | 101 | 213 |
| 1984 | 69 | 30 | 12 | 111 | 46 | 54 | 100 | 211 |
| 1985 | 72 | 32 | 11 | 115 | 47 | 55 | 102 | 217 |
| 1986 | 78 | 34 | 11 | 123 | 51 | 55 | 106 | 229 |
| 1987 | 89 | 39 | 14 | 142 | 53 | 58 | 111 | 253 |
| 1988 | 102 | 44 | 16 | 162 | 63 | 67 | 130 | 292 |
| 1989 | 106 | 46 | 16 | 169 | 64 | 67 | 131 | 300 |
| 1990 | 98 | 49 | 14 | 162 | 58 | 58 | 116 | 278 |
| 1991 | 90 | 46 | 13 | 148 | 49 | 49 | 98 | 246 |
| 1992 | 85 | 48 | 11 | 144 | 45 | 44 | 89 | 233 |
| 1993 | 89 | 49 | 12 | 150 | 45 | 44 | 89 | 239 |
| 1994 | 99 | 50 | 13 | 162 | 50 | 48 | 98 | 259 |
| 1995 | 87 | 49 | 15 | 151 | 47 | 43 | 90 | 240 |
| 1996 | 77 | 43 | 12 | 133 | 43 | 39 | 82 | 215 |
| 1997 | 80 | 42 | 12 | 134 | 45 | 42 | 86 | 220 |
| 1998 | 79 | 40 | 13 | 132 | 44 | 42 | 86 | 218 |
| 1999 | 76 | 45 | 11 | 133 | 45 | 43 | 88 | 221 |
| 2000 | 75 | 44 | 12 | 131 | 45 | 44 | 89 | 220 |
| 2001 | (d) 78 | 45 | (d) 11 | 134 | 45 | 43 | 88 | 222 |
| 2002 | 71 | 44 | 11 | 127 | 44 | 39 | 83 | 210 |
| 2003 | 67 | 45 | 11 | 123 | 45 | 35 | 80 | 203 |
| 2004 | 70 | 46 | 11 | 127 | 45 | 41 | 86 | 213 |
| 2005 | 66 | 46 | 11 | 123 | 43 | 39 | 82 | 205 |
| 2006 | 70 | (d) 46 | (d) 11 | 127 | 42 | 38 | 80 | 207 |
| 2007 | (d) 67 | 51 | 12 | 130 | 42 | 36 | 79 | 208 |
| 2008 | 59 | 47 | 9 | 115 | 37 | 35 | 72 | 187 |
| 2009 | (d) 45 | 38 | 8 | 91 | 30 | 26 | 56 | 147 |
| 2010 | (d) 39 | (d) 35 | 8 | 82 | 29 | 26 | 54 | 137 |
| 2011 | (d) 39 | 43 | 9 | 91 | 30 | 25 | 55 | 146 |
| 2012 | 41 | 34 | 8 | 83 | 26 | 24 | 50 | 133 |
| 2013 | 39 | 35 | 8 | 82 | 27 | 25 | 52 | 134 |

(a) Including dolomite.

(b) Total production, excluding marine-dredged material for export.

(c) The following amounts of crushed rock aggregate, believed to be mainly igneous rock, were exported (million tonnes): 2009: 5, 2010: 5, 2011: 5, 2012: 4, 2013: 5. Crushed rock aggregate is also imported. These figures have not been taken into account when calculating consumption.

(d) BGS estimate.

Source: Office for National Statistics.

**Great Britain consumption of natural aggregates related to construction work
(intensity of use of aggregates) 1960–2013**

| Year | Value of new construction work (a) | Estimated consumption of aggregate | | | Total value of all construction work (a) | Estimated consumption of aggregate | | |
|------|------------------------------------|------------------------------------|---------------------|-------|--|------------------------------------|---------------------|-------|
| | | Crushed rock | Sand and gravel (b) | Total | | Crushed rock | Sand and gravel (b) | Total |
| | | £ million | Tonnes per £1000 | | | £ million | Tonnes per £1000 | |
| 1960 | 40 341 | 0.9 | 1.9 | 2.8 | 58 352 | 0.6 | 1.3 | 1.9 |
| 1961 | 43 994 | 0.9 | 1.9 | 2.8 | 62 514 | 0.6 | 1.4 | 2.0 |
| 1962 | 45 379 | 0.9 | 1.9 | 2.8 | 64 262 | 0.6 | 1.3 | 2.0 |
| 1963 | 46 270 | 1.0 | 1.9 | 2.9 | 65 800 | 0.7 | 1.4 | 2.0 |
| 1964 | 54 168 | 1.0 | 2.0 | 3.0 | 73 961 | 0.7 | 1.4 | 2.2 |
| 1965 | 57 357 | 1.0 | 1.8 | 2.8 | 77 660 | 0.8 | 1.3 | 2.1 |
| 1966 | 57 820 | 1.2 | 1.8 | 3.0 | 78 616 | 0.9 | 1.3 | 2.2 |
| 1967 | 62 758 | 1.3 | 1.8 | 3.1 | 84 133 | 1.0 | 1.3 | 2.3 |
| 1968 | 64 723 | 1.4 | 1.7 | 3.1 | 86 042 | 1.1 | 1.3 | 2.4 |
| 1969 | 63 409 | 1.5 | 1.7 | 3.2 | 84 223 | 1.2 | 1.3 | 2.4 |
| 1970 | 61 134 | 1.6 | 1.8 | 3.4 | 81 847 | 1.2 | 1.3 | 2.5 |
| 1971 | 63 031 | 1.6 | 1.8 | 3.4 | 83 889 | 1.2 | 1.3 | 2.5 |
| 1972 | 63 493 | 1.6 | 1.9 | 3.5 | 86 469 | 1.2 | 1.4 | 2.6 |
| 1973 | 63 701 | 2.0 | 2.0 | 4.0 | 87 721 | 1.4 | 1.5 | 2.9 |
| 1974 | 53 531 | 2.2 | 2.1 | 4.3 | 77 065 | 1.5 | 1.5 | 3.0 |
| 1975 | 50 800 | 2.2 | 2.3 | 4.5 | 72 318 | 1.5 | 1.6 | 3.1 |
| 1976 | 51 574 | 1.9 | 2.1 | 4.0 | 71 759 | 1.4 | 1.5 | 2.9 |
| 1977 | 49 946 | 1.9 | 2.0 | 3.9 | 70 910 | 1.3 | 1.4 | 2.7 |
| 1978 | 52 517 | 1.9 | 1.9 | 3.8 | 76 813 | 1.3 | 1.3 | 2.6 |
| 1979 | 49 268 | 2.1 | 2.1 | 4.2 | 77 411 | 1.3 | 1.3 | 2.7 |
| 1980 | 42 674 | 2.4 | 2.3 | 4.7 | 72 528 | 1.4 | 1.3 | 2.7 |
| 1981 | 38 181 | 2.4 | 2.3 | 4.7 | 65 589 | 1.4 | 1.4 | 2.8 |
| 1982 | 40 588 | 2.5 | 2.2 | 4.8 | 68 097 | 1.5 | 1.3 | 2.8 |
| 1983 | 44 005 | 2.5 | 2.3 | 4.8 | 74 156 | 1.5 | 1.4 | 2.9 |
| 1984 | 44 996 | 2.5 | 2.2 | 4.7 | 76 637 | 1.4 | 1.3 | 2.7 |
| 1985 | 44 419 | 2.6 | 2.3 | 4.9 | 77 100 | 1.5 | 1.3 | 2.8 |
| 1986 | 46 695 | 2.6 | 2.3 | 4.9 | 80 021 | 1.5 | 1.3 | 2.8 |
| 1987 | 53 024 | 2.7 | 2.1 | 4.8 | 89 221 | 1.6 | 1.3 | 2.8 |
| 1988 | 58 948 | 2.7 | 2.2 | 4.9 | 97 741 | 1.6 | 1.3 | 3.0 |
| 1989 | 59 858 | 2.8 | 2.2 | 5.0 | 101 088 | 1.7 | 1.3 | 3.0 |
| 1990 | 59 327 | 2.7 | 2.0 | 4.7 | 100 424 | 1.6 | 1.2 | 2.8 |
| 1991 | 56 249 | 2.6 | 1.7 | 4.4 | 92 859 | 1.6 | 1.1 | 2.6 |
| 1992 | 55 078 | 2.6 | 1.6 | 4.2 | 89 146 | 1.6 | 1.0 | 2.6 |
| 1993 | 54 429 | 2.7 | 1.6 | 4.4 | 87 626 | 1.7 | 1.0 | 2.7 |
| 1994 | 52 634 | 3.1 | 1.9 | 4.9 | 87 206 | 1.9 | 1.1 | 3.0 |
| 1995 | 52 723 | 2.9 | 1.7 | 4.6 | 88 090 | 1.7 | 1.0 | 2.7 |
| 1996 | 54 744 | 2.4 | 1.5 | 3.9 | 90 797 | 1.5 | 0.9 | 2.4 |
| 1997 | 56 465 | 2.4 | 1.5 | 3.9 | 92 805 | 1.4 | 0.9 | 2.4 |
| 1998 | 58 075 | 2.3 | 1.5 | 3.7 | 94 398 | 1.4 | 0.9 | 2.3 |
| 1999 | 59 841 | 2.2 | 1.5 | 3.7 | 95 691 | 1.4 | 0.9 | 2.3 |
| 2000 | 60 110 | 2.2 | 1.5 | 3.7 | 96 668 | 1.3 | 0.9 | 2.3 |
| 2001 | 59 893 | 2.2 | 1.5 | 3.7 | 98 306 | 1.4 | 0.9 | 2.3 |
| 2002 | 63 231 | 2.0 | 1.3 | 3.3 | 103 731 | 1.2 | 0.8 | 2.0 |
| 2003 | 67 256 | 1.8 | 1.2 | 3.0 | 108 767 | 1.1 | 0.7 | 1.9 |
| 2004 | 73 709 | 1.7 | 1.2 | 2.9 | 114 464 | 1.1 | 0.8 | 1.9 |
| 2005 | 71 579 | 1.7 | 1.2 | 2.9 | 111 604 | 1.1 | 0.7 | 1.8 |
| 2006 | 73 381 | 1.7 | 1.1 | 2.8 | 112 400 | 1.1 | 0.7 | 1.8 |
| 2007 | 75 924 | 1.7 | 1.0 | 2.7 | 114 766 | 1.1 | 0.7 | 1.8 |
| 2008 | 71 713 | 1.6 | 1.0 | 2.6 | 111 658 | 1.0 | 0.6 | 1.7 |
| 2009 | 60 493 | 1.5 | 0.9 | 2.4 | 96 639 | 0.9 | 0.6 | 1.5 |
| 2010 | 69 413 | 1.2 | 0.8 | 2.0 | 104 288 | 0.8 | 0.5 | 1.3 |
| 2011 | 71 083 | 1.3 | 0.8 | 2.1 | 106 766 | 0.9 | 0.5 | 1.4 |
| 2012 | 63 552 | 1.3 | 0.8 | 2.1 | 98 907 | 0.8 | 0.5 | 1.3 |
| 2013 | 64 653 | 1.3 | 0.8 | 2.1 | 100 150 | 0.8 | 0.5 | 1.3 |

(a) Valued at constant 2005 prices. Source: Department for Business, Innovation & Skills and Office for National Statistics.

Source: British Geological Survey.

(b) Land-won and marine-dredged material.

Aluminium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Aluminium | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Unwrought- | | | | | | | | | | |
| Primary | 252 000 | 186 000 | 213 000 | 60 000 | 45 000 | | | | | |
| Secondary | 129 800 | 99 600 | 99 200 | 148 800 | 148 800 | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Unwrought- | | | | | | | | | | |
| Primary (b) | 270 000 | 270 000 | 270 000 | 270 000 | 270 000 | ... | ... | ... | ... | ... |
| Secondary | 344 400 | 322 400 | 320 400 | 320 400 | 320 400 | ... | ... | ... | ... | ... |
| Ferro-aluminium (a) | 2 190 | 2 120 | 2 070 | 2 080 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ash and residues | 526 | 1 001 | 1 776 | 325 | 1 502 | 418 | 1 142 | 1 091 | 296 | 488 |
| Unwrought | 304 621 | 138 975 | 201 428 | 144 629 | 144 616 | 326 050 | 204 559 | 309 357 | 223 073 | 210 078 |
| Unwrought alloys | 43 601 | 62 686 | 62 784 | 64 561 | 70 720 | 60 882 | 104 767 | 113 462 | 106 111 | 109 761 |
| Scrap | 117 651 | 126 584 | 109 122 | 106 654 | 113 461 | 94 893 | 134 400 | 123 162 | 101 311 | 97 962 |
| <i>Exports</i> | | | | | | | | | | |
| Ash and residues | 132 | 24 | 503 | 666 | 86 | 407 | 85 | 326 | 457 | 19 |
| Unwrought | 17 688 | 43 665 | 49 959 | 9 597 | 8 510 | 19 211 | 60 938 | 81 932 | 11 068 | 10 474 |
| Unwrought alloys | 305 849 | 364 612 | 356 170 | 279 263 | 188 996 | 369 575 | 626 968 | 617 355 | 432 049 | 290 451 |
| Scrap | 422 574 | 443 466 | 440 399 | 445 730 | 402 060 | 333 723 | 549 108 | 606 047 | 573 852 | 469 859 |

(a) Consumption in the iron and steel industry; ferro-alloy weight.
(b) Estimate.

Aluminium compounds

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------------------|---------|---------|---------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Aluminium compounds | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Oxide (alumina) | 352 250 | 229 158 | 110 265 | 56 724 | 50 376 | 86 601 | 84 105 | 58 634 | 39 050 | 39 555 |
| Hydroxide | 98 516 | 87 278 | 90 065 | 72 468 | 80 674 | 25 911 | 28 869 | 33 996 | 28 716 | 30 167 |
| Fused Oxide (a) | 20 646 | 42 447 | 36 375 | 31 623 | 33 610 | 11 911 | 25 305 | 23 417 | 21 054 | 21 967 |
| Fluorides | 3 024 | 2 118 | 1 248 | 122 | 1 235 | 3 405 | 1 230 | 1 842 | 187 | 1 268 |
| <i>Exports</i> | | | | | | | | | | |
| Oxide (alumina) | 16 810 | 5 879 | 5 114 | 3 590 | 3 247 | 5 458 | 5 189 | 4 185 | 4 215 | 3 625 |
| Hydroxide (b) | 4 400 | 2 100 | 2 600 | 10 700 | 1 600 | 1 600 | 1 300 | 2 000 | 4 500 | 900 |
| Fused Oxide (a) | 5 819 | 11 489 | 10 270 | 8 402 | 6 269 | 5 581 | 8 617 | 8 703 | 6 711 | 7 185 |
| Fluorides | 156 | 10 | 5 | 22 | 476 | 229 | 67 | 60 | 62 | 359 |

(a) Artificial corundum.
(b) BGS estimates, based on known imports into certain countries.

Antimony

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------|--------|-------|-------|-------|-------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Antimony | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores & concentrates | 4 | 24 | 33 | 11 | 25 | 14 | 77 | 208 | 82 | 16 |
| Metal | 88 | 45 | 121 | 237 | 260 | 566 | 472 | 1 216 | 1 439 | 2 127 |
| Oxide | 1 548 | 2 598 | 1 785 | 1 750 | 1 688 | 5 249 | 12 821 | 14 209 | 12 343 | 10 340 |
| <i>Exports</i> | | | | | | | | | | |
| Metal | 75 | 77 | 57 | 237 | 425 | 640 | 903 | 781 | 2 082 | 3 076 |
| Oxide | 407 | 490 | 290 | 422 | 152 | 1 203 | 2 347 | 1 804 | 1 762 | 970 |

Arsenic

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|------|------|------|------|------------|------|------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Arsenic | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Elemental | 60 | 7 | 5 | 15 | 11 | 380 | 107 | 182 | 160 | 200 |
| <i>Exports</i> | | | | | | | | | | |
| Elemental | 0 | 0 | 0 | 7 | 7 | 9 | 9 | 67 | 219 | 30 |

Asbestos

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|--------|--------|---------|---------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Asbestos | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Fibre | 11 | ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Fabricated asbestos | 11 | 28 | 32 | 15 | 13 | 507 | 1 106 | 847 | 502 | 393 |
| Friction material with a basis of asbestos etc. | 7 392 | 6 787 | 6 856 | 6 959 | 7 138 | 32 224 | 45 011 | 45 883 | 53 313 | 61 357 |
| Articles of asbestos cement etc. | 66 397 | 76 447 | 87 240 | 100 449 | 127 843 | 28 750 | 30 790 | 35 084 | 37 195 | 48 781 |
| <i>Exports</i> | | | | | | | | | | |
| Fabricated asbestos | 223 | 79 | 106 | 117 | 163 | 1 529 | 964 | 1 312 | 1 410 | 2 104 |
| Friction material with a basis of asbestos etc. | 2 772 | 3 497 | 3 151 | 3 010 | 2 946 | 36 490 | 43 223 | 40 774 | 52 912 | 48 447 |
| Articles of asbestos cement etc. | 8 452 | 11 312 | 18 250 | 17 182 | 15 805 | 4 952 | 5 724 | 9 199 | 9 126 | 7 730 |

Asphalt, natural

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------|---------|---------|---------|--------|--------|------------|--------|--------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Asphalt, natural | | | | | | | | | | |
| <i>Imports</i> | 48 668 | 56 781 | 75 610 | 8 739 | 11 730 | 10 837 | 17 905 | 29 516 | 4 443 | 4 806 |
| <i>Exports</i> | 190 764 | 198 446 | 145 463 | 34 290 | 41 162 | 41 322 | 41 898 | 44 104 | 2 426 | 2 787 |

Ball clay

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Ball clay | | | | | | | | | | |
| <i>Production (sales)</i> | (a) 727 076 | (b) 900 000 | (b) 930 000 | (b) 748 000 | (b) 740 000 | | | | | |
| <i>Imports</i> | 16 340 | 12 938 | 8 039 | 8 433 | 6 848 | 1 578 | 2 146 | 2 105 | 2 814 | 2 362 |
| <i>Exports</i> | 513 010 | 697 037 | 704 337 | 566 709 | 560 843 | 33 342 | 41 403 | 43 437 | 36 925 | 37 582 |

(a) Source: The Kaolin and Ball Clay Association.
 (b) BGS estimate based on exports.

Barytes

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------------------|--------|--------|--------|--------|---------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Barytes | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Barium minerals - Barytes | 36 000 | 34 099 | 31 000 | 30 000 | 30 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Barium minerals (a) | 61 308 | 89 474 | 99 872 | 88 042 | 102 274 | 4 558 | 10 241 | 11 911 | 12 174 | 14 733 |
| <i>Exports</i> | | | | | | | | | | |
| Barium minerals (a) | 13 095 | 17 851 | 15 648 | 19 072 | 13 854 | 3 407 | 4 315 | 4 285 | 6 079 | 5 304 |

(a) Mainly barites with some witherite.

Bauxite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Bauxite | | | | | | | | | | |
| <i>Imports (a)</i> | 37 461 | 41 650 | 41 497 | 33 925 | 41 256 | 13 455 | 14 147 | 14 689 | 12 748 | 12 395 |
| <i>Exports (a)</i> | 3 873 | 3 140 | 5 936 | 2 929 | 4 804 | 1 816 | 1 510 | 3 648 | 1 654 | 2 338 |

(a) Excluding refractory grade bauxite.

Bentonite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|---------|---------|---------|---------|---------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Bentonite | | | | | | | | | | |
| <i>Imports</i> | 140 301 | 141 849 | 200 332 | 183 343 | 173 094 | 12 534 | 13 755 | 16 924 | 14 181 | 14 860 |
| <i>Exports</i> | 34 622 | 41 323 | 38 478 | 39 535 | 37 694 | 13 828 | 13 058 | 12 865 | 12 402 | 11 834 |

Beryllium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------|--------|------|-------|------|------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Beryllium | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Metal | 3 | 24 | 45 | 35 | 4 | 1 308 | 3 644 | 1 175 | 1 627 | 2 038 |
| Oxides and hydroxides | 2 | 1 | 1 465 | 2 | 1 | 207 | 1 | 929 | 246 | 11 |
| <i>Exports</i> | | | | | | | | | | |
| Metal | 0 | 5 | 7 | 3 | 0 | 113 | 279 | 379 | 223 | 158 |
| Oxides and hydroxides | 2 | 0 | 9 | 0 | 0 | 14 | 9 | 160 | 1 | 12 |

Bismuth

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|------|-------|------|------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Bismuth | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Metal | 310 | 366 | 411 | 481 | 441 | 2 622 | 3 704 | 5 426 | 5 471 | 5 135 |
| <i>Exports</i> | | | | | | | | | | |
| Metal | 941 | 427 | 1 038 | 744 | 407 | 9 142 | 7 236 | 8 642 | 7 676 | 7 481 |

Boron

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|--------|-------|-------|-------|-------|------------|------|------|-------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Boron | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Boron minerals (a) | 879 | 2 383 | 2 425 | 2 563 | 2 576 | 345 | 671 | 674 | 1 960 | 891 |
| <i>Exports</i> | | | | | | | | | | |
| Boron minerals (a) | 5 | 63 | 10 | 6 | 42 | 10 | 166 | 41 | 20 | 28 |

(a) Including crude natural borates and concentrates, and crude natural boric acid.

Bricks

Due to a change in the way the Department for Business, Innovation and Skills report information relating to construction materials it is no longer possible to give details of Great Britain's production of bricks, blocks and tiles (for more information see <https://www.gov.uk/government/organisations/department-for-business-innovation-skills/series/building-materials-and-components-monthly-statistics-2013>)

Bromine

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|-------|-------|-------|-------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Bromine | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| | 6 534 | 5 788 | 9 486 | 7 817 | 6 834 | 6 661 | 5 737 | 9 096 | 8 568 | 8 533 |
| <i>Exports</i> | | | | | | | | | | |
| | 497 | 781 | 1 473 | 1 378 | 646 | 1 463 | 1 888 | 2 344 | 2 340 | 1 094 |

Building and dimension stone

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------------|---------------|---------------|-------------|-------------|-------------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Building and dimension stone | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Sandstone | 722 000 | 741 000 | 333 000 | 365 000 | 281 000 | | | | | |
| Igneous rock | 408 000 | (a) 600 000 | (a) 200 000 | 165 000 | (a) 165 000 | | | | | |
| Limestone | (a) 300 000 | (a) 700 000 | (b) 204 000 | (b) 487 000 | (b) 477 000 | | | | | |
| Dolomite | (a) 1 000 | (a) 1 000 | (c) ... | (c) ... | (c) ... | | | | | |
| Total | (a) 1 431 000 | (a) 2 100 000 | (a) 737 000 | 1 017 000 | (a) 923 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Unworked- | | | | | | | | | | |
| Marble & other calcareous stone | 26 787 | 21 339 | 20 655 | 17 548 | 13 660 | 16 466 | 15 556 | 14 965 | 11 446 | 11 229 |
| Granite (d) | 361 043 | 270 991 | 282 548 | 996 992 | 1 189 686 | 40 792 | 39 615 | 41 275 | 44 443 | 46 260 |
| Sandstone | 202 831 | 201 490 | 223 664 | 226 709 | 283 669 | 27 176 | 33 590 | 39 424 | 43 303 | 55 494 |
| Other stone | 48 823 | 63 655 | 62 604 | 58 822 | 52 779 | 10 208 | 12 299 | 11 689 | 11 641 | 11 068 |
| Worked- | | | | | | | | | | |
| Marble & other calcareous stone | 100 648 | 92 078 | 88 210 | 99 130 | 87 454 | 70 696 | 59 417 | 53 335 | 63 383 | 58 785 |
| Granite | 94 003 | 95 792 | 93 900 | 90 446 | 91 555 | 66 539 | 69 242 | 66 748 | 66 718 | 68 971 |
| Other stone | 98 462 | 87 152 | 49 219 | 29 748 | 31 410 | 30 246 | 30 638 | 21 335 | 17 781 | 20 386 |
| Paving stones and flagstones | 136 981 | 181 584 | 167 497 | 126 670 | 107 253 | 22 748 | 34 691 | 31 735 | 22 907 | 19 402 |
| <i>Exports</i> | | | | | | | | | | |
| Unworked- | | | | | | | | | | |
| Marble & other calcareous stone | 728 | 822 | 698 | 402 | 437 | 493 | 1 221 | 805 | 364 | 626 |
| Granite | 5 722 | 36 657 | 91 172 | 6 633 | 5 708 | 1 215 | 3 211 | 2 667 | 1 210 | 1 017 |
| Sandstone | 243 | 259 | 221 | 296 | 2 175 | 149 | 226 | 156 | 205 | 203 |
| Other stone | 276 | 540 | 251 | 164 | 1 358 | 107 | 134 | 88 | 67 | 442 |
| Worked- | | | | | | | | | | |
| Marble & other calcareous stone | 1 603 | 1 332 | 965 | 1 224 | 919 | 3 294 | 3 310 | 1 967 | 2 322 | 2 337 |
| Granite | 1 904 | 1 449 | 709 | 1 128 | 749 | 2 069 | 2 031 | 1 330 | 1 305 | 1 354 |
| Other stone | 2 797 | 2 591 | 3 534 | 2 914 | 2 500 | 5 406 | 4 983 | 4 887 | 4 633 | 4 572 |
| Paving stones and flagstones | 3 321 | 4 640 | 12 467 | 4 745 | 7 469 | 1 229 | 1 379 | 2 238 | 1 202 | 1 948 |

- (a) BGS estimate.
 (b) Including dolomite.
 (c) Included within Limestone.
 (d) Figures in some years believed to be too high. May include aggregates.

Cadmium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|--------|-------|-------|------|------|------------|--------|-------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Cadmium | | | | | | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| | 71 | 72 | 83 | 83 | 83 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Metal | 246 | 470 | 542 | 229 | 304 | 827 | 1 424 | 963 | 376 | 487 |
| Pigments | 63 | 22 | 98 | — | — | 255 | 136 | 351 | — | — |
| Oxide | 181 | 309 | 281 | 169 | 182 | 512 | 988 | 575 | 391 | 345 |
| <i>Exports</i> | | | | | | | | | | |
| Metal | 25 | 2 545 | 1 441 | 272 | 99 | 440 | 7 383 | 3 378 | 581 | 358 |
| Pigments | 620 | 774 | 640 | — | — | 7 533 | 10 217 | 9 989 | — | — |

Cement

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------------------------|------------|------------|------------|------------|------------|------------|---------|---------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Cement | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Cement, clinker (a) | 6 421 000 | 6 598 000 | 7 096 000 | 6 555 000 | 6 712 000 | | | | | |
| Cement, finished (a) | 7 623 000 | 7 883 000 | 8 529 000 | 7 952 000 | 8 203 000 | | | | | |
| <i>Cubic metres</i> | | | | | | | | | | |
| Ready-mixed concrete | 14 069 000 | 14 038 000 | 15 121 000 | 13 758 000 | 15 089 000 | | | | | |
| <i>Tonnes</i> | | | | | | | | | | |
| <i>Consumption (home deliveries)</i> | | | | | | | | | | |
| Finished cement (a)(b) | 7 474 000 | 7 767 000 | 8 318 000 | 7 728 000 | 8 204 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Portland cement clinkers | 206 857 | 201 308 | 208 595 | 206 086 | 290 071 | 19 471 | 20 789 | 19 940 | 25 741 | 33 679 |
| Portland cement | 1 718 146 | 1 759 841 | 1 746 862 | 1 429 848 | 1 776 713 | 98 170 | 101 408 | 100 775 | 78 664 | 97 890 |
| Aluminous cement | 8 248 | 14 779 | 18 157 | 24 948 | 15 558 | 2 644 | 4 889 | 5 598 | 7 426 | 4 621 |
| Other cement | 22 567 | 77 252 | 82 296 | 6 098 | 16 940 | 5 345 | 5 488 | 3 895 | 1 634 | 2 279 |
| <i>Exports</i> | | | | | | | | | | |
| Portland cement clinkers | 4 708 | 5 500 | 15 531 | 31 458 | 24 056 | 950 | 1 313 | 2 763 | 1 979 | 925 |
| Portland cement | 92 628 | 134 223 | 121 537 | 239 058 | 85 405 | 10 884 | 13 357 | 13 921 | 11 852 | 10 124 |
| Aluminous cement | 42 725 | 50 689 | 55 727 | 70 622 | 67 704 | 16 500 | 23 800 | 27 368 | 32 112 | 30 736 |
| Other cement | 8 635 | 6 092 | 6 606 | 4 880 | 9 147 | 2 155 | 1 870 | 2 153 | 1 563 | 3 192 |

(a) Great Britain only.
(b) Excluding imports.

Chalk (see Limestone)

China clay

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|------------------|---------------|---------------|---------------|---------------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| China clay | | | | | | | | | | |
| Production (sales) | (a)(b) 1 059 848 | (c) 1 140 000 | (c) 1 290 000 | (c) 1 150 000 | (c) 1 110 000 | | | | | |
| Imports (d) | 61 164 | 82 927 | 102 396 | 88 505 | 85 534 | 14 028 | 17 361 | 18 818 | 15 802 | 15 335 |
| Exports (d) | 880 929 | 1 025 298 | 1 157 780 | 1 039 460 | 1 003 841 | 101 218 | 115 113 | 123 274 | 115 499 | 116 672 |

(a) Dry weight.
(b) Source: The Kaolin and Ball Clay Association.
(c) BGS estimate based on exports.
(d) Excludes HS code 2507 00 80 'Other kaolinitic clays' which are shown in this volume under Ball clay.

China stone (see Feldspar)

Chromium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|-----------|-----------|-----------|---------|--------|------------|-----------|-----------|-----------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Chromium | | | | | | | | | | |
| <i>Apparent consumption (a)</i> | 17 500 | 39 100 | 49 300 | 47 400 | 37 300 | | | | | |
| <i>Consumption in Iron and Steel Industry (b)</i> | 24 100 | 33 980 | 44 360 | 42 130 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores & concentrates | 33 867 | 7 084 | 10 572 | 9 124 | 10 033 | 6 789 | 1 901 | 3 305 | 2 919 | 2 800 |
| Ferro-chrome | | | | | | | | | | |
| Under 4% carbon | 5 730 | 7 836 | 15 198 | 15 767 | 8 773 | 10 517 | 15 559 | 28 388 | 25 405 | 15 634 |
| 4%-6% carbon | 683 | 50 | 1 705 | 49 | 50 | 423 | 37 | 1 197 | 188 | 55 |
| Over 6% carbon | 28 471 | 50 512 | 53 288 | 49 403 | 39 764 | 20 200 | 49 286 | 49 568 | 42 124 | 31 403 |
| Ferro-silico-chrome | 13 | 9 | 362 | 723 | 163 | 30 | 10 | 409 | 710 | 268 |
| Oxides and hydroxides (c) | 3 300 | 10 600 | 12 900 | 15 300 | 15 000 | 4 300 | 15 000 | 23 600 | 29 800 | 27 200 |
| Metal | 2 904 | 3 007 | 2 346 | 1 663 | 1 751 | 12 132 | 17 349 | 16 671 | 12 784 | 10 846 |
| <i>Exports</i> | | | | | | | | | | |
| Ores & concentrates | 32 507 | 297 | 168 | 50 | 50 | 3 168 | 103 | 69 | 8 | 130 |
| Ferro-chrome | | | | | | | | | | |
| Under 4% carbon | 294 | 187 | 326 | 387 | 301 | 954 | 765 | 1 978 | 1 427 | 1 663 |
| 4%-6% carbon | 39 | 964 | 261 | 308 | 260 | 75 | 411 | 397 | 423 | 375 |
| Over 6% carbon | 1 141 | 1 252 | 1 266 | 1 593 | 1 547 | 1 653 | 1 851 | 1 877 | 2 138 | 2 227 |
| Ferro-silico-chrome | 50 | 22 | 364 | 72 | 168 | 244 | 43 | 268 | 155 | 386 |
| Oxides and hydroxides | (d) 4 900 | (d) 1 200 | (d) 1 100 | (d) 608 | 625 | (d) 12 200 | (d) 3 500 | (d) 4 300 | (d) 2 200 | 1 988 |
| Metal | 5 058 | 7 441 | 8 017 | 7 737 | 7 061 | 33 207 | 54 158 | 64 662 | 65 752 | 47 432 |

(a) BGS estimates; see explanatory notes.

(b) Chromium content of ferro-alloys.

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

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

Clays

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------|-----------|-----------|-----------|-----------|-----------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Clays | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Clay and shale | 5 310 000 | 5 934 000 | 6 154 000 | 5 497 000 | 6 464 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Unspecified clays | 87 620 | 102 136 | 132 321 | 139 628 | 141 489 | 12 520 | 16 420 | 22 093 | 21 727 | 23 181 |
| <i>Exports</i> | | | | | | | | | | |
| Unspecified clays | 8 702 | 14 138 | 71 216 | 105 919 | 101 659 | 2 533 | 3 591 | 4 384 | 7 456 | 8 137 |

Great Britain production of clay and shale by end-use 1999–2013

Thousand tonnes

| Year | Bricks, pipes and tiles | Cement | Lightweight aggregate | Constructional use | Other uses | Total |
|------|-------------------------|--------|-----------------------|--------------------|------------|--------|
| 1999 | 8 270 | 2 148 | — | 540 | ... | 11 355 |
| 2000 | 7 880 | 1 939 | 1 | ... | ... | 10 838 |
| 2001 | 7 574 | 1 884 | 33 | 625 | (a) 310 | 10 426 |
| 2002 | 6 985 | 2 194 | ... | 956 | ... | 10 306 |
| 2003 | 7 090 | 2 215 | ... | 1 181 | ... | 10 680 |
| 2004 | 7 629 | ... | — | ... | 234 | 11 164 |
| 2005 | 7 741 | 1 937 | — | 798 | 422 | 10 898 |
| 2006 | 6 772 | ... | — | ... | ... | 10 432 |
| 2007 | 6 869 | 2 348 | — | 785 | 102 | 10 104 |
| 2008 | 4 969 | 2 013 | — | 1 318 | 159 | 8 459 |
| 2009 | 2 797 | 1 397 | — | 998 | 118 | 5 310 |
| 2010 | ... | 1 353 | — | 769 | ... | 5 934 |
| 2011 | 3 983 | 1 474 | — | 561 | 136 | 6 154 |
| 2012 | 3 569 | 1 415 | — | 491 | 23 | 5 497 |
| 2013 | 4 088 | 1 440 | — | 839 | 97 | 6 464 |

(a) BGS estimate.

Source: Office for National Statistics.

Coal

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------------------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Coal | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Bituminous (a) | 17 874 000 | 18 417 000 | 18 627 000 | 17 047 000 | 12 848 000 | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| | 48 718 000 | 51 354 000 | 51 500 000 | 64 030 000 | 60 405 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Anthracite | 207 327 | 187 246 | 193 474 | 29 186 | 23 059 | 25 757 | 22 711 | 21 111 | 6 313 | 5 222 |
| Bituminous & other | 60 402 511 | 39 593 856 | 54 388 568 | 71 310 430 | 44 867 788 | 2 632 676 | 1 828 525 | 2 933 563 | 3 099 028 | 2 871 275 |
| Total | 36 760 900 | 23 414 775 | 31 821 368 | 42 098 800 | 44 890 847 | 2 658 434 | 1 851 236 | 2 954 674 | 3 105 341 | 2 876 497 |
| Briquettes of coal | 6 484 | 10 489 | 21 030 | 14 732 | 14 662 | 1 480 | 1 740 | 3 007 | 2 484 | 2 148 |
| Lignite (including agglomerated) | 2 537 | 777 | 888 | 1 132 | 1 685 | 660 | 231 | 150 | 393 | 614 |
| <i>Exports</i> | | | | | | | | | | |
| Anthracite | 119 472 | 89 701 | 97 014 | 119 826 | 143 133 | 15 587 | 11 701 | 13 335 | 13 453 | 28 232 |
| Bituminous & other | 755 169 | 1 162 108 | 939 564 | 810 160 | 456 259 | 56 545 | 73 176 | 64 111 | 58 042 | 62 157 |
| Total | 510 886 | 704 768 | 599 595 | 537 480 | 599 392 | 72 132 | 84 877 | 77 446 | 71 495 | 90 389 |
| Briquettes of coal | 67 618 | 88 351 | 116 416 | 150 140 | 106 133 | 12 142 | 15 783 | 18 713 | 39 433 | 19 589 |
| Lignite (including agglomerated) | 2 795 | 3 182 | 1 943 | 1 830 | 1 855 | 600 | 621 | 375 | 604 | 658 |

(a) Including anthracite.

UK supply of coal 2013

Thousand tonnes

| | Bituminous | | Anthracite | Total |
|-------------------------|---------------|--------------|--------------|---------------|
| | Steam coal | Coking coal | | |
| Production | | | | |
| Mine production | 11 078 | 179 | 1 415 | 12 673 |
| Other sources | 95 | — | 80 | 175 |
| Stock change | -1 818 | 312 | 207 | -1 298 |
| Total production | 9 355 | 491 | 1 702 | 11 550 |
| Imports | | | | |
| European Union (a) | 1 111 | 8 | 109 | 1 228 |
| Australia | 89 | 2 058 | — | 2 147 |
| Canada | 505 | 56 | — | 561 |
| Colombia | 11 388 | 106 | — | 11 494 |
| Indonesia | 0 | — | — | 0 |
| China P.R. | 0 | — | — | — |
| South Africa | 478 | — | 6 | 484 |
| Russia | 19 177 | 1 060 | 12 | 20 250 |
| USA | 9 528 | 2 668 | 0 | 12 196 |
| Other countries | 719 | 290 | 33 | 1 043 |
| Total imports | 42 995 | 6 246 | 161 | 49 402 |
| Total exports | -443 | -9 | -142 | -593 |
| Total supply | 51 908 | 6 729 | 1 722 | 60 358 |

(a) Includes non-EU coal routed through the Netherlands.

Source: Department of Energy and Climate Change.

Great Britain production of deep-mined and surface-mined coal 1982–2013

Thousand tonnes

| Year | Deep-mined | | | surface-mined | | | Deep-mined and surface-mined | | |
|------|------------|------------|---------|---------------|------------|--------|------------------------------|------------|---------|
| | Anthracite | Bituminous | Total | Anthracite | Bituminous | Total | Anthracite | Bituminous | Total |
| 1982 | 1 406 | 104 755 | 106 161 | 1 478 | 13 788 | 15 266 | 2 884 | 118 543 | 121 427 |
| 1983 | 1 249 | 100 493 | 101 742 | 767 | 13 939 | 14 706 | 2 016 | 114 432 | 116 448 |
| 1984 | 256 | 34 987 | 35 243 | 961 | 13 345 | 14 306 | 1 217 | 48 332 | 49 549 |
| 1985 | 838 | 74 451 | 75 289 | 1 304 | 14 265 | 15 569 | 2 142 | 88 716 | 90 858 |
| 1986 | 984 | 89 382 | 90 366 | 1 001 | 13 274 | 14 275 | 1 985 | 102 656 | 104 641 |
| 1987 | 917 | 85 040 | 85 957 | 1 174 | 14 612 | 15 786 | 2 091 | 99 652 | 101 743 |
| 1988 | 770 | 82 992 | 83 762 | 1 028 | 16 871 | 17 899 | 1 798 | 99 863 | 101 661 |
| 1989 | 453 | 79 175 | 79 628 | 1 607 | 17 050 | 18 657 | 2 060 | 96 225 | 98 285 |
| 1990 | 573 | 72 326 | 72 899 | 1 372 | 16 762 | 18 134 | 1 945 | 89 088 | 91 033 |
| 1991 | 189 | 73 168 | 73 357 | 1 675 | 16 961 | 18 636 | 1 864 | 90 129 | 91 993 |
| 1992 | 177 | 65 623 | 65 800 | 1 863 | 16 324 | 18 187 | 2 040 | 81 947 | 83 987 |
| 1993 | 115 | 50 342 | 50 457 | 1 289 | 15 717 | 17 006 | 1 404 | 66 059 | 67 463 |
| 1994 | ... | ... | 31 854 | ... | ... | 16 804 | ... | ... | 48 658 |
| 1995 | ... | ... | 35 150 | ... | ... | 16 369 | ... | ... | 51 519 |
| 1996 | ... | ... | 32 223 | ... | ... | 16 315 | ... | ... | 48 538 |
| 1997 | ... | ... | 30 281 | ... | ... | 16 700 | (a) 2 500 | (a) 44 500 | 46 981 |
| 1998 | ... | ... | 25 731 | ... | ... | 14 315 | (a) 2 000 | (a) 38 000 | 40 046 |
| 1999 | ... | ... | 20 888 | ... | ... | 15 275 | (a) 2 000 | (a) 34 200 | 36 163 |
| 2000 | ... | ... | 17 187 | ... | ... | 13 412 | (a) 2 000 | (a) 28 600 | 30 599 |
| 2001 | ... | ... | 17 347 | ... | ... | 14 166 | (a) 2 000 | (a) 29 500 | 31 513 |
| 2002 | ... | ... | 16 391 | ... | ... | 13 148 | (a) 2 000 | (a) 27 500 | 29 539 |
| 2003 | ... | ... | 15 633 | ... | ... | 12 126 | ... | ... | 27 759 |
| 2004 | ... | ... | 12 542 | ... | ... | 11 993 | ... | ... | 24 536 |
| 2005 | ... | ... | 9 563 | ... | ... | 10 445 | ... | ... | 20 008 |
| 2006 | ... | ... | 9 444 | ... | ... | 8 635 | ... | ... | 18 079 |
| 2007 | ... | ... | 7 674 | ... | ... | 8 866 | ... | ... | 16 540 |
| 2008 | ... | ... | 8 096 | ... | ... | 9 509 | ... | ... | 17 605 |
| 2009 | ... | ... | 7 520 | ... | ... | 9 854 | ... | ... | 17 374 |
| 2010 | ... | ... | 7 390 | ... | ... | 10 426 | ... | ... | 17 817 |
| 2011 | ... | ... | 7 312 | ... | ... | 10 580 | ... | ... | 17 892 |
| 2012 | ... | ... | 6 153 | ... | ... | 10 134 | ... | ... | 16 287 |
| 2013 | ... | ... | 4 089 | ... | ... | 8 584 | ... | ... | 12 673 |

(a) BGS estimate.

Source: Department of Energy and Climate Change.

United Kingdom regional deep mined coal production 2009–2014

Thousand tonnes

| County/Unitary authority | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Doncaster | 708 | 700 | 705 | 613 | 843 | 765 |
| Kirklees | 19 | 11 | 4 | 3 | — | — |
| Rotherham | 987 | 844 | 856 | 802 | 2 | — |
| Warwickshire | 2 888 | 2588 | 2 078 | 1 405 | 222 | — |
| Derbyshire | 20 | 20 | 28 | 25 | 4 | 2 |
| Nottinghamshire | 1 789 | 1 719 | 1 283 | 1 162 | 1 361 | 1 219 |
| North Yorkshire | 985 | 1 461 | 2 276 | 2 000 | 1 562 | 1 656 |
| Northumberland | — | — | — | 0 | 1 | 1 |
| Lancashire | — | — | — | 2 | 3 | 1 |
| Gloucestershire | 0 | 0 | 0 | 0 | 0 | 0 |
| England | 7 397 | 7 344 | 7 231 | 6 013 | 3 998 | 3 644 |
| Neath Port Talbot | 97 | 46 | 81 | 140 | 91 | 41 |
| Torfaen | 2 | 1 | 0 | 0 | — | — |
| Wales | 99 | 47 | 82 | 140 | 91 | 41 |
| Scotland | — | — | — | — | — | — |
| United Kingdom | 7 496 | 7 390 | 7 312 | 6 153 | 4 089 | 3 685 |

In previous editions this table has displayed figures relating to the financial years.

Source: The Coal Authority.

United Kingdom regional surface mined coal production 2008–2013

Thousand tonnes

| County/Unitary authority | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--------------------------|--------------|---------------|---------------|---------------|--------------|--------------|
| Bolton | 262 | 369 | 111 | — | — | — |
| Calderdale | 1 | — | — | — | — | — |
| Kirklees | 4 | — | — | — | — | — |
| Leeds | 4 | 89 | — | — | — | — |
| Rotherham | — | 40 | — | — | — | — |
| Wakefield | 100 | — | — | — | — | — |
| Leicestershire | 339 | 98 | — | 51 | 462 | 516 |
| Derbyshire | 427 | 600 | 436 | 176 | 324 | 252 |
| Durham | 0 | 106 | 369 | 341 | 211 | — |
| Newcastle upon Tyne | 0 | 19 | 326 | 422 | 464 | 369 |
| Northumberland | 1 000 | 1 363 | 1 394 | 1 627 | 1 800 | 1 748 |
| Telford & Wrekin | — | 4 | 313 | 339 | 152 | — |
| England | 2 137 | 2 689 | 2 949 | 2 956 | 3 412 | 2 885 |
| Blaenau Gwent | — | — | 12 | — | — | — |
| Merthyr Tydfil | 632 | 787 | 987 | 886 | 919 | 953 |
| Carmarthenshire | — | — | — | 3 | 11 | 11 |
| Neath Port Talbot | 552 | 3 262 | 616 | 871 | 510 | 513 |
| Powys | 414 | 374 | 488 | 369 | 301 | 415 |
| Rhondda, Cynon Taff | — | — | — | 279 | 603 | 596 |
| Wales | 1 598 | 4 423 | 2 103 | 2 408 | 2 343 | 2 488 |
| Dumfries & Galloway | 585 | 736 | 330 | 121 | — | 72 |
| Midlothian | 206 | 223 | 64 | — | — | — |
| West Lothian | — | — | — | — | 179 | 276 |
| East Ayrshire | 2 893 | 2 624 | 2 964 | 2 584 | 1 886 | 1 352 |
| Fife | 794 | 756 | 832 | 944 | 444 | 506 |
| North Lanarkshire | — | 29 | 22 | 2 | — | — |
| South Lanarkshire | 1 560 | 1 671 | 1 316 | 1 172 | 325 | 291 |
| Scotland | 6 037 | 6 038 | 5 528 | 4 823 | 2 835 | 2 497 |
| United Kingdom | 9 772 | 13 150 | 10 580 | 10 188 | 8 589 | 7 871 |

In previous editions this table has displayed figures relating to the financial years.

Source: The Coal Authority.

Cobalt

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|-------|-------|-------|-------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Cobalt | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry (a)</i> | | | | | | | | | | |
| | 10 | 10 | 10 | 10 | ... | | | | | |
| <i>Apparent consumption (a)(b)</i> | 1 000 | 3 700 | 4 400 | 4 200 | 1 500 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ore | 200 | 143 | 124 | 125 | 137 | 3 750 | 669 | 378 | 236 | 253 |
| Unwrought | 3 131 | 5 023 | 5 137 | 5 446 | 4 475 | 48 235 | 72 415 | 62 556 | 57 997 | 53 585 |
| Wrought | 439 | 505 | 644 | 434 | 444 | 18 134 | 15 588 | 17 100 | 15 216 | 12 758 |
| Oxides | 168 | 198 | 256 | 164 | 180 | 2 309 | 2 825 | 2 890 | 1 882 | 2 044 |
| Scrap | 358 | 435 | 312 | 317 | 296 | 4 195 | 4 851 | 3 708 | 3 151 | 2 997 |
| <i>Exports</i> | | | | | | | | | | |
| Ore | 0 | 2 | 5 | 8 | 22 | 7 | 49 | 57 | 47 | 43 |
| Unwrought | 1 187 | 730 | 843 | 676 | 732 | 27 420 | 21 691 | 25 144 | 17 997 | 17 954 |
| Wrought | 552 | 555 | 533 | 504 | 1 704 | 24 439 | 24 103 | 22 676 | 22 122 | 23 155 |
| Oxides | 891 | 1 267 | 820 | 1 179 | 1 493 | 13 809 | 23 040 | 14 261 | 17 051 | 20 856 |
| Scrap | 834 | 494 | 363 | 685 | 700 | 2 924 | 5 193 | 5 446 | 7 056 | 5 734 |

(a) Metal content.

(b) BGS estimates; see explanatory notes.

Coke and breeze

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------------|-----------|-----------|-----------|-----------|-----------|------------|---------|--------|--------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Coke and breeze | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Coke oven - coke | 3 663 000 | 3 990 000 | 4 021 000 | 3 712 000 | 3 769 000 | | | | | |
| Coke oven - breeze | 29 000 | 32 000 | 31 000 | 31 000 | 32 000 | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Coke oven coke | 2 843 000 | 2 619 000 | 2 331 000 | 2 729 000 | 3 358 000 | | | | | |
| Breeze | 892 000 | 805 000 | 753 000 | 772 000 | 1 069 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Coke from coal | 89 717 | 171 791 | 133 511 | 132 538 | 600 870 | 14 962 | 25 551 | 28 967 | 25 993 | 106 796 |
| Coke from lignite | 125 | 469 | 474 | 487 | 1 051 | 61 | 260 | 248 | 255 | 469 |
| <i>Exports</i> | | | | | | | | | | |
| Coke from coal | 91 678 | 442 944 | 252 612 | 180 579 | 239 487 | 16 972 | 109 965 | 48 456 | 35 176 | 38 191 |
| Coke from lignite | 0 | ... | 13 | 16 | 28 | 0 | ... | 10 | 9 | 19 |

Copper

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------------------------|---------|---------|---------|---------|---------|------------|-----------|-----------|-----------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Copper | | | | | | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Unwrought- | | | | | | | | | | |
| Refined | 22 800 | 43 000 | 22 800 | 22 800 | 22 800 | | | | | |
| Copper in scrap for direct use (a) | 120 000 | 120 000 | 120 000 | 120 000 | 120 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores & concentrates | 581 | 189 | 125 | 194 | 113 | 928 | 968 | 884 | 1 213 | 239 |
| Matte & cement | 1 | 22 | 20 | 1 | 144 | 23 | 28 | 40 | 22 | 612 |
| Scrap | 18 549 | 27 495 | 29 010 | 27 214 | 25 055 | 39 973 | 81 565 | 91 261 | 70 330 | 67 485 |
| Ash and residues | 217 | 40 | 24 | 434 | 202 | 156 | 63 | 42 | 752 | 332 |
| Unwrought- | | | | | | | | | | |
| Unrefined | 3 034 | 2 039 | 1 267 | 147 | 409 | 14 557 | 7 898 | 4 588 | 541 | 945 |
| Refined | 45 249 | 40 708 | 34 627 | 38 674 | 34 723 | 145 913 | 202 000 | 194 158 | 195 899 | 169 240 |
| Alloys | 3 766 | 5 379 | 5 095 | 5 723 | 5 934 | 11 931 | 19 914 | 24 681 | 30 326 | 24 426 |
| Master Alloys | 300 | 309 | 403 | 234 | 228 | 1 447 | 1 859 | 2 482 | 1 505 | 1 192 |
| <i>Exports</i> | | | | | | | | | | |
| Ores & concentrates | 68 | 39 | 51 | 4 | 3 | 107 | 152 | 136 | 47 | 61 |
| Matte & cement | 14 | 33 | 36 | 18 | 31 | 118 | 218 | 370 | 276 | 491 |
| Scrap | 429 467 | 421 868 | 513 394 | 373 943 | 291 924 | 693 154 | 1 077 272 | 1 315 943 | 1 061 176 | 814 330 |
| Ash and residues | 832 | 541 | 660 | 906 | 106 | 1 407 | 451 | 418 | 1 361 | 42 |
| Unwrought- | | | | | | | | | | |
| Unrefined | 205 | 185 | 194 | 647 | 206 | 2 508 | 2 896 | 3 571 | 5 762 | 3 486 |
| Refined | 14 059 | 8 863 | 17 951 | 24 498 | 17 332 | 41 963 | 43 952 | 97 471 | 124 507 | 83 752 |
| Alloys | 7 906 | 6 899 | 9 611 | 7 917 | 7 632 | 26 335 | 33 354 | 54 264 | 41 097 | 38 326 |
| Master Alloys | 3 933 | 5 883 | 7 261 | 7 524 | 6 677 | 12 728 | 26 087 | 38 143 | 36 884 | 31 318 |

(a) Estimate.

Crushed rock (see also Aggregates)

United Kingdom summary 2009-2013

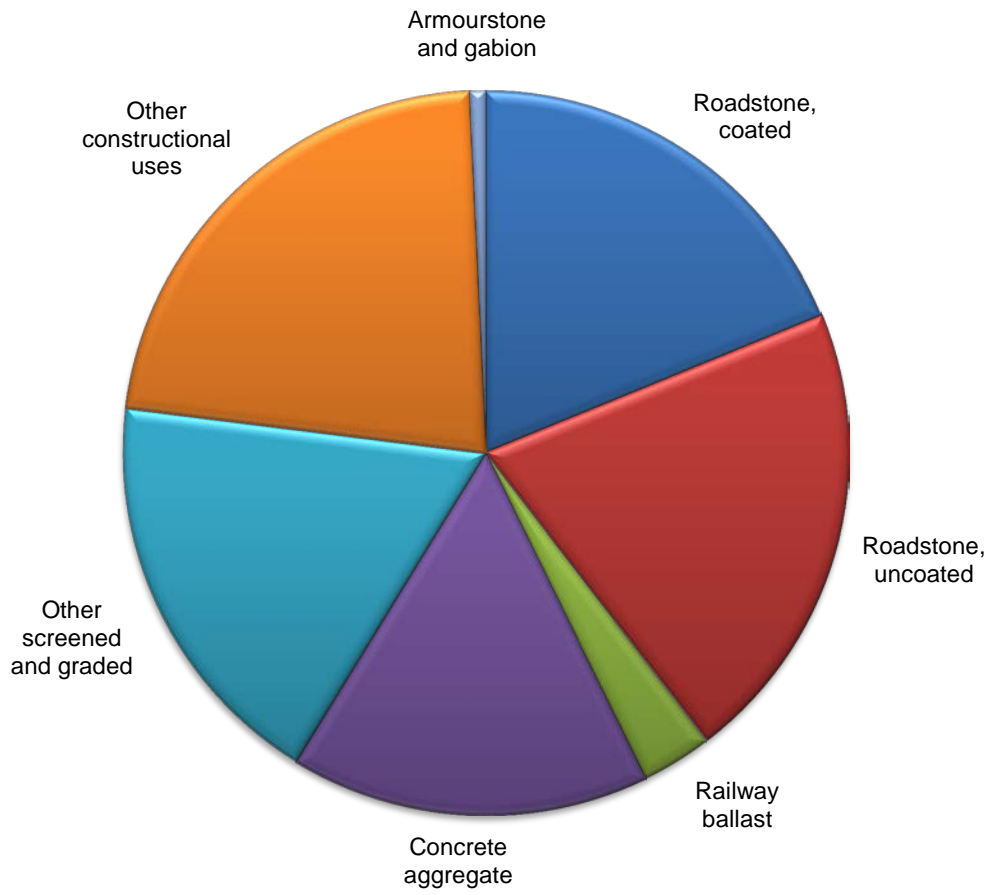
| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------|-------------|------------|-----------------|----------------|----------------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Crushed rock | | | | | | | | | | |
| <i>Production (a)</i> | 104 626 000 | 94 203 000 | (b) 102 800 000 | (b) 94 800 000 | (b) 94 300 000 | | | | | |
| <i>Imports (c)</i> | 1 609 546 | 1 896 201 | 1 705 153 | 1 273 059 | 430 464 | 26 157 | 30 740 | 36 384 | 22 718 | 19 243 |
| <i>Exports</i> | 4 916 514 | 4 910 701 | 5 387 038 | 4 251 427 | 4 896 911 | 36 965 | 36 490 | 40 856 | 32 165 | 37 802 |

(a) Includes small quantities for other purposes in Northern Ireland.

(b) Includes an estimate for Northern Ireland.

(c) For a number of years a significant amount of armourstone imports are believed to be wrongly classified as 'granite, crude'. Care should be taken when comparing long time trends.

Great Britain production of crushed rock by end-use 2013
(total production 82.4 million tonnes)



Great Britain production of crushed rock by region 1980–2013

Thousand tonnes

| Year | North East (a) | North West (b) | Yorks. & the Humber | West Midlands | East Midlands | East of England (c) | South East (d) | South West | England | Wales | Scotland | Great Britain |
|------|----------------|----------------|---------------------|---------------|---------------|---------------------|----------------|------------|---------|--------|----------|---------------|
| 1980 | 9 948 | 4 951 | 10 714 | 7 364 | 15 996 | 658 | 1 114 | 21 934 | 72 679 | 15 998 | 13 586 | 102 533 |
| 1981 | 8 677 | 4 504 | 9 442 | 6 713 | 15 854 | 534 | 961 | 18 763 | 65 450 | 14 249 | 11 681 | 91 381 |
| 1982 | 9 362 | 4 779 | 10 108 | 8 181 | 17 237 | 537 | 1 112 | 21 175 | 72 492 | 16 754 | 13 602 | 102 848 |
| 1983 | 8 978 | 5 311 | 11 481 | 9 192 | 19 206 | ... | ... | 23 178 | 79 541 | 18 835 | 13 706 | 112 082 |
| 1984 | 9 668 | 5 116 | 9 557 | 8 861 | 19 142 | ... | ... | 25 107 | 79 650 | 16 965 | 14 063 | 110 678 |
| 1985 | 9 823 | 5 330 | 9 444 | 8 589 | 21 429 | 674 | 1 404 | 26 510 | 83 203 | 17 423 | 14 370 | 114 995 |
| 1986 | 9 861 | 5 469 | 11 201 | 8 780 | 23 038 | 500 | 1 597 | 29 194 | 89 640 | 17 881 | 14 844 | 122 365 |
| 1987 | 10 375 | 5 328 | 15 407 | 10 015 | 26 355 | 772 | 1 601 | 34 443 | 104 296 | 20 950 | 16 990 | 142 237 |
| 1988 | 11 453 | 6 849 | 14 885 | 12 519 | 32 026 | 853 | 2 589 | 39 108 | 120 283 | 23 102 | 17 629 | 161 014 |
| 1989 | 13 497 | 7 078 | 16 895 | 12 519 | 32 646 | 611 | 3 254 | 37 589 | 124 088 | 23 581 | 21 125 | 168 794 |
| 1990 | 14 602 | 7 533 | 15 449 | 11 047 | 34 143 | 709 | 1 320 | 33 073 | 117 875 | 22 646 | 21 094 | 161 615 |
| 1991 | 13 378 | 6 320 | 14 269 | 10 009 | 29 862 | 676 | 1 625 | 28 037 | 104 177 | 22 123 | 21 707 | 148 007 |
| 1992 | 12 669 | 5 899 | 12 812 | 8 783 | 29 879 | ... | ... | 28 564 | 100 553 | 21 482 | 21 932 | 143 967 |
| 1993 | 12 724 | 6 748 | 12 734 | 8 225 | 31 522 | 625 | 1 168 | 29 848 | 103 595 | 23 237 | 22 743 | 149 576 |
| 1994 | 13 365 | 7 892 | 15 576 | 8 839 | 33 713 | 1 705 | 1 433 | 32 141 | 114 665 | 24 346 | 22 746 | 161 757 |
| 1995 | 10 930 | 8 077 | 15 664 | ... | 31 881 | 629 | ... | 27 419 | 103 475 | 23 139 | 24 224 | 150 838 |
| 1996 | 10 385 | 6 448 | 12 350 | 6 514 | 29 001 | 595 | 1 210 | 22 940 | 89 444 | 21 273 | 22 177 | 132 894 |
| 1997 | 10 619 | 7 086 | 12 484 | 6 416 | 29 925 | 536 | 1 352 | 23 117 | 91 535 | 20 585 | 21 667 | 133 787 |
| 1998 | 10 246 | 6 348 | 13 745 | 6 028 | 26 933 | 607 | 1 358 | 23 411 | 88 675 | 19 903 | 23 138 | 131 716 |
| 1999 | 9 298 | 5 829 | 11 689 | 5 996 | 30 724 | 575 | 1 343 | 23 183 | 88 637 | 20 429 | 23 531 | 132 598 |
| 2000 | 5 441 | 10 381 | 11 748 | 5 533 | 28 679 | 475 | 1 624 | 24 146 | 88 027 | 19 044 | 23 236 | 130 307 |
| 2001 | 6 338 | 9 601 | 11 718 | 5 688 | 30 780 | 452 | 1 984 | 28 067 | 94 630 | 17 765 | 21 364 | 133 759 |
| 2002 | 5 390 | 9 426 | 11 620 | 5 835 | 29 604 | 372 | 1 068 | 24 332 | 87 647 | 16 724 | 22 198 | 126 568 |
| 2003 | 6 081 | 8 887 | 10 652 | 5 538 | 28 443 | (e) 350 | (e) 1 008 | 22 998 | 83 957 | 16 837 | 22 092 | 122 885 |
| 2004 | 6 455 | 9 182 | 11 457 | 4 861 | 28 445 | 423 | 1 351 | 23 479 | 85 653 | 16 528 | 25 494 | 127 674 |
| 2005 | 5 333 | 7 993 | 10 875 | 4 416 | 27 468 | 238 | 1 090 | 23 180 | 80 593 | 16 535 | 24 732 | 121 860 |
| 2006 | 5 352 | 8 996 | 10 811 | 4 824 | 29 658 | 496 | 1 059 | 22 526 | 83 722 | 18 429 | 24 744 | 126 895 |
| 2007 | 5 482 | 9 351 | 10 834 | 4 750 | 28 530 | 591 | 1 011 | 22 374 | 82 922 | 18 487 | 28 168 | 129 577 |
| 2008 | 4 928 | 7 962 | 10 045 | 3 850 | 24 328 | 683 | 1 029 | 22 355 | 75 179 | 15 685 | 24 215 | 115 079 |
| 2009 | 3 194 | 5 629 | 6 868 | 2 808 | 21 575 | (e) 289 | 1 085 | 18 218 | 59 666 | 10 542 | 20 895 | 91 103 |
| 2010 | 3 354 | 4 329 | 6 681 | 2 927 | 17 036 | 274 | 800 | 14 715 | 50 115 | 11 001 | 21 193 | 82 309 |
| 2011 | 3 400 | ... | ... | ... | 20 670 | ... | ... | ... | 57 744 | 12 034 | 21 151 | 90 928 |
| 2012 | ... | ... | ... | ... | ... | ... | ... | ... | 52 980 | 10 901 | 19 004 | 82 885 |
| 2013 | 2 763 | ... | ... | ... | 18 647 | ... | ... | 16 538 | 53 417 | 11 706 | 17 310 | 82 433 |

(a) From 2000, excludes Cumbria.

(b) From 2000, includes Cumbria.

(c) From 2000, includes Essex, Hertfordshire and Bedfordshire.

(d) From 2000, excludes Essex, Hertfordshire and Bedfordshire.

(e) BGS estimate.

Source: Office for National Statistics.

Great Britain production of crushed rock for aggregate 2013

Thousand tonnes

| Mineral | Roadstone | | | | | | | | | Total |
|---------------------------|--------------|------------------------------|---------------|----------------------------|-----------------|--------------------|-------------------------|---------------------------|----------------------|---------------|
| | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | Railway ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armourstone & gabion | |
| Limestone (inc. dolomite) | 1 116 | 3 099 | 7 276 | 257 | — | 9 186 | 9 016 | 8 926 | 227 | 39 104 |
| Igneous rock | 2 263 | 6 004 | 7 860 | 435 | 2 561 | 3 558 | 4 112 | 7 837 | 298 | 34 928 |
| Sandstone | 644 | 2 375 | 1 063 | 244 | 39 | 467 | 1 883 | 1 630 | 56 | 8 401 |
| Total | 4 024 | 11 478 | 16 200 | 936 | 2 600 | 13 211 | 15 011 | 18 393 | 581 | 82 433 |

Source: Office for National Statistics.

Great Britain production of crushed rock, gravel and sand for use in concrete, 2001–2013

Thousand tonnes

| Year | Sandstone | Igneous rock | Limestone and dolomite | Gravel (a) | Concreting sand (a) | Total |
|------|-----------|--------------|------------------------|------------|---------------------|--------|
| 2001 | 1 425 | 6 351 | 20 780 | 29 969 | 31 656 | 90 181 |
| 2002 | 1 483 | 4 747 | 20 112 | 27 699 | 31 224 | 85 265 |
| 2003 | 1 778 | 6 613 | 20 197 | 26 566 | 31 521 | 86 675 |
| 2004 | 1 214 | 5 086 | 14 931 | 27 533 | 32 529 | 81 293 |
| 2005 | 551 | 3 755 | 12 571 | 26 014 | 29 848 | 72 739 |
| 2006 | 496 | 5 548 | 13 819 | 25 354 | 29 815 | 75 032 |
| 2007 | 1 529 | 7 147 | 15 981 | 23 621 | 30 202 | 78 480 |
| 2008 | 914 | 6 597 | 15 484 | 18 787 | 26 885 | 68 667 |
| 2009 | 1 116 | 5 741 | 12 737 | 14 452 | 21 570 | 55 616 |
| 2010 | 859 | 5 264 | 10 915 | 13 494 | 20 947 | 51 479 |
| 2011 | 658 | 5 523 | 10 618 | 14 103 | 22 591 | 53 493 |
| 2012 | 973 | 4 220 | 10 552 | 12 592 | 19 697 | 48 034 |
| 2013 | 467 | 3 558 | 9 186 | 12 396 | 20 361 | 45 968 |

(a) Including marine-dredged material landed at British ports.

Source: Office for National Statistics.

Great Britain production of crushed rock for use as roadstone, 2001–2013

Thousand tonnes

| Year | Sandstone | | Igneous rock | | Limestone and dolomite | | Total | |
|------|-----------|-----------|--------------|------------|------------------------|------------|--------|------------|
| | Coated | Uncoated | Coated | Uncoated | Coated | Uncoated | Coated | Uncoated |
| 2001 | 3 216 | 1 731 | 9 523 | 10 547 | 10 602 | 22 360 | 23 340 | 34 638 |
| 2002 | 3 402 | 1 689 | 11 023 | 10 326 | 8 858 | 15 308 | 23 281 | 27 323 |
| 2003 | 3 586 | 1 741 | 11 019 | 10 764 | 8 533 | 16 455 | 23 138 | 28 950 |
| 2004 | 3 689 | (a) 1 698 | 10 392 | (a) 11 318 | 4 640 | (b) 14 558 | 18 721 | (a) 29 047 |
| 2005 | 3 526 | (b) 1 452 | 7 832 | (a) 11 168 | 8 777 | (b) 14 195 | 20 136 | (a) 28 595 |
| 2006 | 2 858 | (a) 1 850 | 9 571 | (a) 11 478 | 8 937 | (a) 16 237 | 21 367 | (a) 29 565 |
| 2007 | 3 185 | (a) 1 751 | 9 349 | (a) 11 838 | 7 968 | (a) 16 530 | 20 503 | (a) 30 119 |
| 2008 | 2 835 | (b) 1 109 | 8 794 | (a) 13 155 | 7 888 | (b) 11 960 | 19 517 | (a) 26 853 |
| 2009 | 3 272 | (a) 1 482 | 7 192 | (b) 10 021 | 6 245 | (b) 10 572 | 16 709 | (a) 22 974 |
| 2010 | 3 243 | (b) 1 265 | 8 281 | (a) 10 815 | 5 580 | (b) 9 234 | 17 104 | (a) 22 017 |
| 2011 | 3 768 | (a) 1 865 | 9 113 | (a) 10 691 | 6 479 | (a) 8 123 | 19 360 | (a) 20 679 |
| 2012 | 3 326 | (a) 1 531 | 7 587 | (a) 8 212 | 5 252 | (a) 7 649 | 16 165 | (a) 17 392 |
| 2013 | 3 019 | (a) 1 307 | 8 267 | (a) 8 295 | 4 215 | (a) 7 533 | 15 502 | (a) 17 136 |

(a) Including surface dressing chippings.

Source: Office for National Statistics.

(b) Excluding surface dressing chippings.

Great Britain production of crushed rock for railway ballast, 2001–2013

Thousand tonnes

| Year | Sandstone | Igneous rock | Limestone and dolomite | Total |
|------|-----------|--------------|------------------------|-----------|
| 2001 | (a) 150 | 2 341 | (a) 150 | (a) 2 682 |
| 2002 | 190 | 3 324 | — | 3 514 |
| 2003 | ... | 2 669 | ... | (a) 2 895 |
| 2004 | ... | 3 074 | ... | 3 832 |
| 2005 | ... | 3 072 | ... | 3 403 |
| 2006 | ... | 3 102 | ... | 3 543 |
| 2007 | ... | 3 372 | ... | 3 904 |
| 2008 | 157 | ... | ... | 3 408 |
| 2009 | — | ... | ... | 2 556 |
| 2010 | ... | 2 154 | ... | 2 158 |
| 2011 | ... | 1 417 | ... | 1 421 |
| 2012 | — | 2 312 | 142 | 2 454 |
| 2013 | 39 | 2 561 | — | 2 600 |

(a) BGS estimate.

Source: Office for National Statistics.

England production of crushed rock by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | Total |
|------|-----------|----------|----------------------------|-----------------|------------------|--------------------|-------------------------|---------------------------|-----------------------|--------|
| | Coated | Uncoated | Surface dressing chippings | Railway ballast | Fill and ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & Gabion | |
| 2001 | 17 202 | 24 333 | ... | ... | 31 518 | 21 578 | ... | ... | ... | 94 630 |
| 2002 | 17 002 | 18 179 | ... | ... | 33 611 | 18 855 | ... | ... | ... | 87 647 |
| 2003 | 16 511 | 18 625 | ... | ... | 28 545 | 20 275 | ... | ... | ... | 83 957 |
| 2004 | 11 995 | 17 564 | 2 156 | 2 243 | ... | 15 300 | 12 388 | 23 867 | 179 | 85 692 |
| 2005 | 13 194 | 17 208 | 1 426 | 1 871 | ... | 12 494 | 11 676 | 22 474 | 248 | 80 593 |
| 2006 | 14 504 | 18 551 | 1 104 | 1 933 | ... | 14 818 | 11 268 | 21 133 | 411 | 83 722 |
| 2007 | 12 865 | 19 370 | 889 | 2 322 | ... | 16 211 | 12 103 | 18 717 | 443 | 82 922 |
| 2008 | 13 201 | 16 582 | 845 | 2 248 | ... | 16 928 | 7 756 | 17 167 | 450 | 75 179 |
| 2009 | 11 087 | 13 376 | 752 | ... | ... | 14 735 | 7 077 | 10 384 | ... | 59 666 |
| 2010 | 10 599 | 11 833 | 909 | ... | ... | 11 687 | 5 900 | 7 170 | ... | 50 115 |
| 2011 | 12 626 | 9 572 | 2 045 | 1 033 | ... | 12 259 | 10 067 | 8 872 | 1 269 | 57 744 |
| 2012 | ... | 8 840 | 975 | ... | ... | 11 739 | 6 988 | 11 331 | 395 | 52 980 |
| 2013 | ... | 10 026 | 705 | ... | ... | 9 348 | 9 371 | 11 378 | ... | 53 417 |

Source: Office for National Statistics.

Wales production of crushed rock by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | Total |
|------|-----------|----------|----------------------------|-----------------|------------------|--------------------|-------------------------|---------------------------|-----------------------|--------|
| | Coated | Uncoated | Surface dressing chippings | Railway ballast | Fill and ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & Gabion | |
| 2001 | 3 269 | 2 436 | ... | ... | 7 212 | 4 848 | ... | ... | ... | 17 765 |
| 2002 | 3 340 | 1 938 | ... | ... | 6 508 | 4 937 | ... | ... | ... | 16 724 |
| 2003 | 3 039 | 2 514 | ... | ... | 5 640 | 5 644 | ... | ... | ... | 16 837 |
| 2004 | 2 856 | 1 871 | ... | ... | ... | 3 733 | 2 469 | 4 351 | ... | 16 528 |
| 2005 | 3 737 | 2 007 | ... | ... | ... | 2 117 | 2 927 | 4 478 | 83 | 16 535 |
| 2006 | 3 853 | 1 972 | ... | ... | ... | 2 514 | 2 954 | 5 813 | 85 | 18 429 |
| 2007 | 3 351 | 2 121 | ... | ... | ... | 3 335 | 2 678 | 5 662 | 74 | 18 487 |
| 2008 | ... | 1 757 | 250 | ... | ... | 3 087 | 1 642 | 5 057 | 45 | 15 685 |
| 2009 | 3 267 | 1 830 | 192 | ... | ... | 2 317 | 773 | 2 044 | ... | 10 542 |
| 2010 | 3 224 | 1 695 | 218 | ... | ... | 2 112 | 1 198 | 2 446 | ... | 11 001 |
| 2011 | 3 665 | 1 339 | 275 | ... | ... | 2 237 | 2 141 | 2 202 | ... | 12 034 |
| 2012 | 3 164 | 1 218 | ... | ... | ... | ... | 2 074 | 2 166 | ... | 10 901 |
| 2013 | ... | ... | ... | ... | ... | ... | 2 682 | 2 557 | ... | 11 706 |

Source: Office for National Statistics.

Scotland production of crushed rock by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | Total |
|------|-----------|----------|----------------------------|-----------------|------------------|--------------------|-------------------------|---------------------------|-----------------------|--------|
| | Coated | Uncoated | Surface dressing chippings | Railway ballast | Fill and ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & Gabion | |
| 2001 | 2 870 | 7 869 | ... | ... | 8 495 | 2 130 | ... | ... | ... | 21 364 |
| 2002 | 2 939 | 7 206 | ... | ... | 9 503 | 2 550 | ... | ... | ... | 22 198 |
| 2003 | 3 589 | 7 812 | ... | ... | 8 023 | 2 669 | ... | ... | ... | 22 092 |
| 2004 | 3 910 | 5 825 | ... | ... | ... | 2 198 | 6 159 | 5 274 | ... | 25 494 |
| 2005 | 3 204 | 6 687 | ... | ... | ... | 2 266 | 6 346 | 4 408 | 208 | 24 732 |
| 2006 | 3 008 | 6 711 | ... | ... | ... | 2 531 | 6 918 | 3 776 | 200 | 24 744 |
| 2007 | 4 286 | 6 492 | ... | ... | ... | 5 111 | 4 586 | 5 865 | 264 | 28 168 |
| 2008 | ... | 7 310 | 109 | ... | ... | 2 981 | 5 639 | 4 331 | 218 | 24 215 |
| 2009 | 2 355 | 6 516 | 308 | ... | ... | 2 541 | 4 506 | 3 805 | ... | 20 895 |
| 2010 | 3 282 | 7 146 | 217 | ... | ... | 3 239 | 3 959 | 2 704 | ... | 21 193 |
| 2011 | 3 069 | 7 288 | 159 | ... | ... | 2 303 | 3 855 | 3 914 | ... | 21 151 |
| 2012 | ... | 5 943 | ... | ... | ... | ... | 3 510 | 4 244 | ... | 19 004 |
| 2013 | ... | ... | ... | ... | ... | ... | 2 959 | 4 457 | 199 | 17 310 |

Source: Office for National Statistics.

Diamond

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------|-------------|-------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|
| | Carats | | | | | £ thousand | | | | |
| Diamond | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Unsorted Gem- | 8 348 854 | 8 703 907 | 8 484 526 | 9 238 531 | 12 754 564 | 834 518 | 1 228 713 | 1 248 369 | 1 135 227 | 823 603 |
| Rough | 44 064 081 | 40 559 260 | 38 472 604 | 33 227 748 | 29 495 262 | 2 013 574 | 2 747 423 | 3 539 213 | 2 881 539 | 2 556 982 |
| Cut | 868 406 | 761 455 | 18 292 931 | 7 009 031 | 1 494 267 | 689 890 | 826 271 | 971 820 | 1 022 427 | 833 250 |
| Industrial Dust | 3 321 670 | 7 299 364 | 10 236 376 | 7 747 613 | 6 399 457 | 7 623 | 30 724 | 20 976 | 94 825 | 29 588 |
| | 88 148 090 | 111 136 020 | 32 411 894 | 26 886 717 | 25 157 153 | 6 404 | 10 624 | 11 281 | 9 194 | 10 678 |
| <i>Exports</i> | | | | | | | | | | |
| Unsorted Gem- | 4 090 534 | 3 689 202 | 2 735 369 | 2 974 099 | 11 165 256 | 488 658 | 710 750 | 620 529 | 251 285 | 469 959 |
| Rough | 43 775 775 | 51 769 860 | 41 541 219 | 46 117 478 | 34 651 963 | 2 381 592 | 3 417 622 | 4 336 731 | 4 464 586 | 3 164 872 |
| Cut | 257 202 | 283 435 | 1 292 162 | 1 702 424 | 284 182 | 657 011 | 772 743 | 702 987 | 805 995 | 645 403 |
| Industrial Dust | 4 440 922 | 2 478 568 | 3 864 054 | 3 949 553 | 2 001 018 | 13 977 | 21 248 | 25 685 | 24 931 | 19 219 |
| | 105 427 105 | 113 451 535 | 42 269 921 | 32 288 331 | 28 709 324 | 7 796 | 14 191 | 13 864 | 12 113 | 13 094 |

Diatomite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|--------|--------|--------|--------|--------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Diatomite | | | | | | | | | | |
| <i>Imports (a)</i> | 22 014 | 18 649 | 20 042 | 19 752 | 19 713 | 5 001 | 5 348 | 5 340 | 5 025 | 5 243 |
| <i>Exports (a)</i> | 533 | 1 650 | 797 | 659 | 497 | 288 | 424 | 814 | 508 | 437 |

(a) Officially recorded under the heading 'Siliceous fossil meals and similar siliceous earths'. Excludes flux calcined.

Dolomite (see Limestone)

Feldspar

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------|--------|--------|--------|--------|--------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Feldspar | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Feldspar | 9 299 | 17 584 | 16 750 | 21 610 | 24 568 | 661 | 1 813 | 1 964 | 3 432 | 3 113 |
| Nepheline-syenite | 32 462 | 39 092 | 35 573 | 30 744 | 36 080 | 3 516 | 4 038 | 4 475 | 3 128 | 3 272 |
| <i>Exports</i> | | | | | | | | | | |
| Feldspar | 369 | 38 | 34 | 92 | 84 | 30 | 20 | 19 | 65 | 43 |
| Nepheline-syenite | 204 | 291 | 337 | 403 | 311 | 62 | 83 | 101 | 116 | 96 |

(a) Including weathered granite feldspar.

Fireclay

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------------|---------|---------|---------|--------|---------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Fireclay | | | | | | | | | | |
| <i>Production (a)</i> | 129 000 | 110 000 | 162 000 | 96 000 | 105 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Fireclay | 2 273 | 2 644 | 1 739 | 2 823 | 4 142 | 514 | 661 | 346 | 710 | 1 289 |
| Fireclay bricks etc | 3 229 | 2 103 | 2 148 | 1 893 | 2 745 | 1 509 | 1 552 | 1 972 | 1 135 | 2 143 |
| Refractory hollow-ware | 2 090 | 1 622 | 2 009 | 2 068 | 2 071 | 4 306 | 3 614 | 4 761 | 4 623 | 5 795 |
| <i>Exports</i> | | | | | | | | | | |
| Fireclay | 92 | 9 | 26 | 1 151 | 1 022 | 62 | 24 | 29 | 608 | 596 |
| Fireclay bricks etc | 3 455 | 2 587 | 2 198 | 3 077 | 2 244 | 4 441 | 3 093 | 3 344 | 4 663 | 2 729 |
| Refractory hollow-ware | 1 297 | 890 | 1 354 | 1 082 | 688 | 14 687 | 13 212 | 16 802 | 15 724 | 12 855 |

(a) Great Britain only. There is a small, undisclosed production in Northern Ireland.

Fluorspar

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------|--------|--------|--------|--------|------------|------------|-------|-------|-------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Fluorspar | | | | | | | | | | |
| <i>Production</i> | 18 536 | 26 420 | — | — | (a) 30 000 | | | | | |
| <i>Imports</i> | 6 436 | 1 294 | 45 327 | 19 739 | (b) 15 600 | 2 574 | 599 | 7 568 | 3 857 | (b) 2 600 |
| <i>Exports</i> | 303 | 412 | 590 | 75 | 16 127 | 184 | 1 345 | 165 | 163 | 3 512 |

(a) Estimate.

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

Gas, natural (see Petroleum)

Germanium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|--------|------|------|------|------|------------|------|-------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Germanium | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Metal | 3 | 2 | 1 | 1 | 1 | 802 | 539 | 1 161 | 456 | 310 |
| <i>Exports</i> | | | | | | | | | | |
| Metal | 37 | 2 | 2 | 0 | 1 | 249 | 465 | 1 351 | 363 | 589 |

Gold

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------|--------|------|-------|-------|-------|------------|------------|------------|------------|------------|
| | Tonnes | | | | | £ thousand | | | | |
| Gold | | | | | | | | | | |
| Production (a) | 0 | 0 | 0 | 0 | 0 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Waste & scrap | 213 | 66 | 71 | 165 | 102 | 24 161 | 90 993 | 112 737 | 97 797 | 81 929 |
| Unwrought (b) | 1 158 | 791 | 1 000 | 979 | 23 | 23 560 892 | 19 875 910 | 25 100 889 | 32 868 462 | 661 744 |
| Semi-manufactured | 9 | 10 | 13 | 75 | 311 | 148 367 | 193 170 | 357 787 | 2 406 462 | 9 055 726 |
| <i>Exports</i> | | | | | | | | | | |
| Waste & scrap | 533 | 497 | 273 | 1 928 | 388 | 1 041 439 | 1 534 257 | 1 460 031 | 1 146 245 | 692 538 |
| Unwrought (b) | 78 | 260 | 752 | 221 | 37 | 1 326 269 | 6 309 575 | 23 027 896 | 7 353 165 | 1 139 800 |
| Semi-manufactured | 19 | 33 | 23 | 45 | 1 701 | 147 766 | 428 307 | 636 654 | 1 362 000 | 49 447 489 |

(a) Small quantities have been produced in Northern Ireland as follows:
2009: 187 kilograms; 2010: 177 kilograms; 2011: 202 kilograms;
2012: 102 kilograms; 2013: 42 kilograms.

(b) Mainly refined gold bullion in the form accepted in inter-bank transactions.

Granite (see Igneous rock)

Graphite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Graphite | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Natural graphite | 7 850 | 6 989 | 6 869 | 4 114 | 4 951 | 5 516 | 5 468 | 6 377 | 4 498 | 5 245 |
| Artificial graphite | 10 813 | 16 290 | 20 236 | 20 959 | 19 373 | 18 104 | 21 622 | 26 240 | 28 727 | 23 586 |
| Graphite crucibles etc. | 788 | 782 | 689 | 564 | 698 | 2 880 | 2 878 | 2 535 | 1 771 | 3 191 |
| <i>Exports</i> | | | | | | | | | | |
| Natural graphite | 2 271 | 2 981 | 3 660 | 2 196 | 2 011 | 3 015 | 3 032 | 4 182 | 3 255 | 3 205 |
| Artificial graphite | 5 450 | 6 894 | 8 151 | 7 827 | 7 994 | 13 008 | 14 909 | 15 167 | 13 215 | 12 477 |
| Graphite crucibles etc. | 6 412 | 6 548 | 7 784 | 7 287 | 6 128 | 17 751 | 17 750 | 17 750 | 16 316 | 13 684 |

Gypsum

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------|-----------|-----------|-----------|-----------|-----------|------------|--------|--------|--------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Gypsum | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Gypsum, natural (a) | 1 200 000 | 1 200 000 | 1 200 000 | 1 200 000 | 1 200 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Gypsum | 396 138 | 216 605 | 539 327 | 490 661 | 376 972 | 8 104 | 6 957 | 7 284 | 8 118 | 8 027 |
| Gypsum (plasters) | 60 337 | 54 209 | 46 526 | 47 545 | 33 620 | 13 540 | 12 728 | 11 655 | 11 614 | 9 028 |
| <i>Exports</i> | | | | | | | | | | |
| Gypsum | 1 978 | 3 330 | 3 428 | 4 036 | 4 745 | 777 | 1 128 | 1 035 | 1 138 | 1 422 |
| Gypsum (plasters) | 32 551 | 24 552 | 25 504 | 21 216 | 19 481 | 12 067 | 7 953 | 9 169 | 9 174 | 7 396 |

(a) BGS Estimates.

UK production of desulphogypsum 2004-2014

| | Thousand Tonnes | | | | | | | | | | |
|-------------------|-----------------|--------------|--------------|--------------|--------------|------|------|------|------|------|------|
| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Drax | 653 | 565 | 610 | 645 | 744 | ... | ... | ... | ... | ... | ... |
| Ratcliffe-on-Soar | 350 | 235 | 204 | 254 | 338 | 263 | 266 | 248 | 383 | 339 | 254 |
| West Burton | 274 | 335 | 289 | 255 | 217 | 164 | 144 | 164 | 276 | 298 | 266 |
| Eggborough | — | 31 | 46 | 36 | 66 | ... | 40 | 44 | 112 | 108 | 98 |
| Cottam | — | 19 | 196 | 257 | 225 | 164 | 210 | 208 | 234 | 271 | 217 |
| Fiddlers Ferry | — | — | — | — | — | ... | ... | ... | ... | ... | ... |
| Ferrybridge | — | — | — | — | — | ... | ... | ... | ... | ... | ... |
| Rugley | — | — | — | — | — | ... | ... | ... | ... | ... | ... |
| Total | 1 228 | 1 185 | 1 303 | 1 447 | 1 590 | ... | ... | ... | ... | ... | ... |

Hafnium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|------|------|------|------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Hafnium | | | | | | | | | | |
| <i>Imports</i> | 7 | 12 | 16 | 8 | 6 | 1 426 | 3 000 | 2 294 | 1 275 | 1 400 |
| <i>Exports</i> | 18 | 15 | 11 | 9 | 11 | 1 342 | 1 036 | 251 | 310 | 495 |

Igneous rock

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|------------|------------|----------------|----------------|----------------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Igneous rock – see also Building and dimension stone | | | | | | | | | | |
| <i>Production (a)</i> | 44 618 000 | 44 876 000 | (b) 44 400 000 | (b) 40 200 000 | (b) 40 500 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Granite- | | | | | | | | | | |
| Worked | 94 003 | 95 792 | 93 900 | 90 446 | 91 555 | 66 539 | 69 242 | 66 748 | 66 718 | 68 971 |
| Unworked | 361 043 | 270 991 | 282 548 | 996 992 | 1 189 686 | 40 792 | 39 615 | 41 275 | 44 443 | 46 260 |
| <i>Exports</i> | | | | | | | | | | |
| Granite- | | | | | | | | | | |
| Worked | 1 904 | 1 449 | 709 | 1 128 | 749 | 2 069 | 2 031 | 1 330 | 1 305 | 1 354 |
| Unworked | 5 722 | 36 657 | 91 172 | 6 633 | 5 708 | 1 215 | 3 211 | 2 667 | 1 210 | 1 017 |

(a) Excluding a small production of granite in Northern Ireland.

(b) Includes an estimate for Northern Ireland.

England production of igneous rock by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | | | Total | |
|------|----------------|-------------|------------------------------|----------|----------------------------|-----------------|--------------------|-------------------------|---------------------------|-----------------------|-----------------|-------|------------|
| | Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | Railway ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & gabion | Industrial uses | | Other uses |
| 2001 | ... | 2 792 | 3 523 | 2 844 | ... | ... | 4 059 | ... | 8 051 | ... | ... | 6 | 22 647 |
| 2002 | 12 | 2 778 | 4 872 | 3 477 | ... | 1 612 | 2 110 | ... | 7 028 | ... | ... | — | 21 889 |
| 2003 | 28 | 2 974 | 4 066 | 3 185 | ... | 1 701 | 3 458 | ... | 6 460 | ... | ... | 5 | 21 878 |
| 2004 | 12 | 2 868 | 1 473 | 3 722 | 938 | 1 779 | 2 623 | 3 493 | 3 203 | 60 | 3 | ... | 20 174 |
| 2005 | 18 | 2 571 | 1 699 | 3 619 | 449 | ... | 1 457 | 4 105 | 3 727 | 86 | ... | ... | 20 576 |
| 2006 | 20 | ... | 3 418 | 4 071 | ... | ... | 2 961 | 3 277 | 3 492 | ... | ... | ... | 22 076 |
| 2007 | 28 | 2 539 | ... | 4 692 | 323 | ... | ... | 4 621 | ... | ... | ... | ... | 21 865 |
| 2008 | 22 | ... | 2 313 | 5 410 | 342 | ... | 3 605 | 1 717 | 2 747 | 79 | ... | ... | 21 056 |
| 2009 | ... | 2 925 | 1 334 | 4 167 | 318 | ... | 3 198 | 1 949 | 1 653 | ... | ... | ... | 17 846 |
| 2010 | ... | 2 364 | 2 037 | 3 455 | 364 | ... | 2 041 | 1 499 | 1 632 | 192 | ... | ... | 17 460 |
| 2011 | ... | 1 840 | 3 393 | 2 130 | 1 433 | ... | 3 165 | 1 670 | 1 541 | 1 110 | ... | ... | 17 428 |
| 2012 | ... | 1 249 | ... | 1 981 | 475 | ... | 2 225 | 839 | 3 528 | 121 | ... | ... | 15 646 |
| 2013 | ... | 985 | 4 363 | 3 761 | 338 | ... | 1 794 | 1 156 | 2 993 | ... | ... | ... | 17 569 |

Source: Office for National Statistics.

Wales production of igneous rock by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | | | Total | |
|------|----------------|-------------|------------------------------|----------|----------------------------|-----------------|--------------------|-------------------------|---------------------------|-----------------------|-----------------|-------|------------|
| | Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | Railway ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & gabion | Industrial uses | | Other uses |
| 2001 | ... | 393 | 197 | 266 | ... | ... | 369 | ... | ... | ... | ... | — | 2 372 |
| 2002 | 9 | 375 | 366 | 241 | ... | 219 | 396 | ... | 506 | ... | ... | — | 2 111 |
| 2003 | 5 | 375 | 257 | 327 | ... | — | ... | ... | ... | ... | ... | — | 2 507 |
| 2004 | 3 | 477 | 179 | 209 | ... | ... | 357 | ... | 391 | 10 | — | ... | 2 295 |
| 2005 | 2 | 427 | ... | 314 | ... | ... | 117 | 492 | 347 | ... | — | ... | 2 364 |
| 2006 | ... | ... | ... | 243 | ... | ... | 156 | 452 | 412 | ... | — | ... | 2 596 |
| 2007 | 15 | 377 | ... | 256 | ... | ... | ... | 483 | ... | ... | — | ... | 2 474 |
| 2008 | 13 | ... | ... | 246 | ... | ... | ... | 603 | 405 | ... | ... | ... | 3 028 |
| 2009 | 7 | 325 | ... | 227 | ... | ... | 167 | 151 | 426 | ... | — | ... | 1 932 |
| 2010 | ... | 330 | 540 | 236 | 90 | ... | 216 | 112 | 677 | ... | ... | ... | 2 294 |
| 2011 | ... | 412 | 616 | 247 | ... | ... | 232 | 140 | 490 | 82 | ... | ... | 2 450 |
| 2012 | — | 323 | 530 | 191 | ... | ... | ... | 120 | 333 | ... | — | ... | 1 769 |
| 2013 | ... | 316 | 292 | 102 | 6 | ... | 156 | 257 | 756 | ... | — | ... | 1 905 |

Source: Office for National Statistics.

Scotland production of igneous rock by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | | | Total | |
|------|----------------|-------------|------------------------------|----------|----------------------------|-----------------|--------------------|-------------------------|---------------------------|-----------------------|-----------------|-------|------------|
| | Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | Railway ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & gabion | Industrial uses | | Other uses |
| 2001 | 423 | 1 608 | 1 010 | 7 437 | ... | ... | 1 922 | ... | ... | ... | ... | 26 | 20 034 |
| 2002 | 196 | 1 595 | 1 037 | 6 608 | ... | 1 494 | 2 241 | ... | 7 332 | ... | ... | 40 | 20 543 |
| 2003 | 179 | 2 101 | 1 246 | 7 251 | ... | 967 | ... | ... | ... | ... | ... | 308 | 20 920 |
| 2004 | 171 | 2 485 | 1 090 | 5 568 | ... | ... | 2 107 | ... | 4 552 | 92 | — | ... | 23 724 |
| 2005 | 130 | 1 993 | ... | 6 322 | ... | 1 036 | 2 181 | 6 147 | 3 866 | 175 | — | ... | 23 052 |
| 2006 | ... | 1 685 | ... | 6 332 | 230 | 1 107 | 2 431 | 6 754 | 3 291 | 173 | — | ... | 23 194 |
| 2007 | ... | 1 847 | 2 153 | 6 163 | ... | 1 077 | 4 982 | 4 399 | 5 214 | 251 | ... | ... | 26 345 |
| 2008 | 244 | 1 580 | ... | 6 924 | ... | ... | ... | 5 298 | 3 999 | 198 | ... | ... | 22 925 |
| 2009 | ... | 1 636 | ... | 5 627 | 272 | ... | 2 376 | 4 292 | 3 435 | 207 | ... | ... | 19 082 |
| 2010 | 552 | 2 512 | 499 | 6 483 | 186 | ... | 3 007 | 3 693 | 2 187 | ... | ... | ... | 19 684 |
| 2011 | 94 | 1 452 | 1 399 | 6 626 | ... | ... | 2 126 | 3 599 | 3 242 | 136 | ... | ... | 19 113 |
| 2012 | ... | 1 126 | ... | 5 331 | ... | ... | ... | 3 261 | 3 815 | ... | ... | ... | 17 384 |
| 2013 | ... | 962 | 1 349 | 3 997 | 91 | ... | 1 608 | 2 699 | 4 088 | 175 | ... | ... | 15 623 |

Source: Office for National Statistics.

Insulating materials

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Insulating materials | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Mineral wools (a) | 25 128 | 24 427 | 20 908 | 18 501 | 20 123 | 34 156 | 33 505 | 32 446 | 31 247 | 29 919 |
| Expanded minerals (b) | 30 732 | 47 121 | 59 198 | 60 737 | 33 566 | 5 523 | 7 137 | 9 330 | 11 354 | 9 534 |
| Other (c) | 32 068 | 37 361 | 38 030 | 38 279 | 35 501 | 32 841 | 40 172 | 41 701 | 44 394 | 45 222 |
| <i>Exports</i> | | | | | | | | | | |
| Mineral wools (a) | 29 984 | 35 500 | 44 328 | 37 334 | 39 865 | 35 600 | 52 257 | 60 566 | 51 211 | 54 003 |
| Expanded minerals (b) | 10 973 | 14 174 | 16 777 | 15 078 | 13 768 | 14 126 | 17 959 | 19 333 | 23 484 | 23 847 |
| Other (c) | 42 351 | 56 989 | 64 551 | 73 014 | 60 269 | 57 472 | 74 706 | 84 958 | 91 697 | 83 215 |

(a) Slag wool, rock wool and similar mineral wools.

(b) Exfoliated vermiculite, expanded clays, foaming slag and similar expanded mineral materials.

(c) Mixtures and articles of heat-insulating, sound-insulating or sound-absorbing mineral materials.

Iodine

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|-------|-------|-------|-------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Iodine | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| | 1 075 | 1 254 | 1 426 | 1 573 | 1 136 | 13 753 | 16 854 | 18 464 | 36 345 | 27 542 |
| <i>Exports</i> | | | | | | | | | | |
| | 121 | 393 | 234 | 370 | 191 | 2 153 | 2 922 | 5 760 | 13 575 | 6 177 |

Iron compounds and earth colours

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Iron compounds and earth colours | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Earth colours containing 70% or more ferric oxide | 213 | 210 | 247 | 108 | 98 | 217 | 147 | 324 | 196 | 155 |
| Other iron compounds- Oxides and hydroxides | 21 412 | 21 516 | 19 187 | 21 081 | 28 448 | 18 624 | 21 396 | 19 697 | 19 623 | 22 007 |
| <i>Exports</i> | | | | | | | | | | |
| Earth colours containing 70% or more ferric oxide | 543 | 68 | 159 | 74 | 49 | 598 | 100 | 190 | 120 | 87 |
| Other iron compounds- Oxides and hydroxides | 4 313 | 5 070 | 4 825 | 5 203 | 5 956 | 7 723 | 7 582 | 6 474 | 6 122 | 7 785 |

Iron ore

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|------------|------------|-----------|------------|------------|------------|---------|---------|---------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Iron ore | | | | | | | | | | |
| <i>Consumption</i> | 11 171 300 | 10 572 200 | 9 734 800 | 10 510 900 | 14 034 200 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Iron ore | 9 185 919 | 10 597 085 | 9 175 254 | 10 062 173 | 14 136 967 | 468 519 | 912 896 | 990 550 | 829 922 | 1 133 300 |
| Fe content (a) | 5 600 000 | 6 400 000 | 5 500 000 | 6 000 000 | 8 500 000 | | | | | |
| <i>Exports</i> | | | | | | | | | | |
| Iron ore | 32 579 | 5 228 | 179 699 | 108 399 | 71 801 | 3 014 | 634 | 14 379 | 6 798 | 4 298 |

(a) BGS estimates.

Iron and steel

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------------------|------------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Iron and steel | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Pig iron | 7 671 100 | 7 233 000 | 6 625 000 | 7 183 100 | 9 471 000 | | | | | |
| <i>Crude steel-</i> | | | | | | | | | | |
| Alloy qualities | 393 500 | 506 600 | 642 400 | 587 300 | 554 700 | | | | | |
| Other | 9 681 000 | 9 201 400 | 8 835 600 | 8 991 800 | 11 302 800 | | | | | |
| Total | 10 074 500 | 9 708 000 | 9 478 000 | 9 579 100 | 11 857 500 | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Pig iron (a) | 7 540 000 | 7 088 000 | 6 610 000 | 7 325 000 | 9 909 000 | | | | | |
| Finished steel (b) | 7 084 000 | 8 779 000 | 9 046 000 | 8 621 000 | 8 454 000 | | | | | |
| Scrap | 3 459 400 | 3 713 100 | 3 890 300 | 3 674 500 | 4 084 600 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Pig iron | 19 703 | 41 959 | 69 095 | 55 845 | 38 057 | 5 758 | 13 167 | 27 613 | 23 427 | 14 344 |
| Shot, powder, sponge etc. | 17 483 | 97 745 | 160 969 | 194 237 | 49 095 | 15 722 | 31 682 | 46 342 | 72 867 | 37 791 |
| Ferro-alloys | 160 285 | 208 817 | 225 819 | 212 787 | 216 722 | 154 472 | 246 459 | 285 036 | 255 107 | 232 815 |
| <i>Iron and steel-</i> | | | | | | | | | | |
| Ingots and other primary forms | 212 829 | 714 541 | 1 185 242 | 835 691 | 443 657 | 176 318 | 393 571 | 636 490 | 481 840 | 262 865 |
| Scrap | 213 818 | 270 986 | 423 744 | 284 986 | 302 580 | 80 685 | 160 388 | 192 405 | 131 687 | 104 908 |
| <i>Exports</i> | | | | | | | | | | |
| Pig iron | 27 765 | 4 339 | 2 074 | 3 775 | 1 652 | 5 254 | 3 351 | 2 685 | 1 348 | 1 147 |
| Shot, powder, sponge etc. | 37 314 | 41 899 | 46 893 | 53 268 | 57 491 | 31 752 | 43 965 | 56 120 | 63 469 | 62 972 |
| Ferro-alloys | 28 899 | 45 314 | 43 918 | 49 357 | 47 949 | 125 266 | 240 287 | 273 119 | 252 143 | 220 673 |
| <i>Iron and steel-</i> | | | | | | | | | | |
| Ingots and other primary forms | 2 118 701 | 1 137 160 | 668 885 | 1 817 820 | 3 164 861 | 936 583 | 818 397 | 885 788 | 1 061 356 | 1 439 914 |
| Scrap | 6 007 656 | 7 507 853 | 7 744 411 | 7 160 639 | 6 777 534 | 1 184 693 | 1 944 946 | 2 408 014 | 2 076 913 | 1 820 752 |

(a) Consumption in steel making only.

(b) Net home disposals.

Consumption in the United Kingdom iron and steel industry 2004–2013

Thousand tonnes

| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| Iron ore – | | | | | | | | | | |
| Home produced (a) | 1 | 0 | 0 | 0 | 0 | — | — | — | — | — |
| Imported (b) | 16 011 | 15 990 | 16 539 | 16 607 | 15 338 | 11 171 | 10 572 | 9 735 | 10 511 | 14 034 |
| Manganese ore | 6 | 3 | 6 | 3 | 4 | 21 | — | — | — | 3 |
| Iron and steel scrap (f) | 5 123 | 4 531 | 4 811 | 5 144 | 4 888 | 3 459 | 3 713 | 3 890 | 3 666 | 4 085 |
| Pig iron (f) | 10 010 | 9 983 | 10 444 | 10 729 | 9 931 | 7 540 | 7 088 | 6 610 | 7 325 | 9 909 |
| Alloy metals (c) – | | | | | | | | | | |
| Nickel | 17 | 14 | 13 | 12 | 12 | 8 | 10 | 12 | 10 | ... |
| Molybdenum | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | ... |
| Tungsten | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... |
| Vanadium | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... |
| Cobalt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... |
| Chromium | 54 | 52 | 55 | 61 | 69 | 24 | 34 | 44 | 42 | ... |
| Niobium | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | ... |
| Ferro-alloys – | | | | | | | | | | |
| Ferro-manganese | 95 | 92 | 97 | 100 | 94 | 70 | 67 | 66 | 66 | ... |
| Ferro-silico- manganese | 23 | 22 | 24 | 24 | 23 | 17 | 16 | 16 | 16 | ... |
| Ferro-aluminium | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | ... |
| Ferro-chromium | (d) | (d) | (d) | (d) | (d) | (d) | (d) | (d) | (d) | ... |
| Ferro-silico- chromium | (d) | (d) | (d) | (d) | (d) | (d) | (d) | (d) | (d) | ... |
| Ferro-silicon | 37 | 36 | 38 | 39 | 37 | 27 | 26 | 26 | 26 | ... |
| Ferro-silico- zirconium | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... |
| Calcium silicide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... |
| Ferro-phosphorus | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ... |
| Ferro-niobium | (d) | (d) | (d) | (d) | (d) | (d) | (d) | (d) | (d) | ... |
| Ferro-titanium | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ... |
| Dolomite (raw and burnt) (e) | 262 | 243 | 445 | 474 | 420 | 369 | 399 | 344 | 556 | 759 |
| Limestone (e) | 2 068 | 1 951 | 2 028 | 1 822 | 1 664 | 1 095 | 948 | 932 | 912 | 1 147 |
| Lime (e) | 584 | 593 | 631 | 585 | 496 | 378 | 371 | 395 | 379 | 387 |
| Zinc for galvanising | 53 | 57 | 60 | 58 | 52 | 41 | 49 | 48 | 42 | ... |
| Tin for tinplating | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | ... |

Average Fe content: (a) 55%, (b) 62%.

(c) Metal content.

(d) Included under alloying metals.

(e) Restricted to consumption in blast furnaces, sinter plants and steel furnaces.

(f) Consumption in steel making only.

Lead

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Lead | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Concentrate- | | | | | | | | | | |
| Pb content (a) | (b) 350 | (b) 380 | 280 | 61 | (b) 100 | | | | | |
| Unwrought- | | | | | | | | | | |
| Bullion | 36 000 | 36 000 | 36 000 | 36 000 | 36 000 | | | | | |
| Refined | | | | | | | | | | |
| Primary (c) | 157 865 | 151 000 | 125 000 | 156 930 | 174 200 | | | | | |
| Secondary | 144 000 | 150 000 | 150 000 | 155 000 | 155 000 | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Refined | 188 726 | 211 165 | 210 927 | 229 044 | 273 963 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores & concentrates | 24 | 23 | 47 | 121 | 0 | 30 | 42 | 51 | 205 | 1 |
| Ash and residues | 133 | 186 | 345 | 123 | — | 90 | 153 | 302 | 94 | — |
| Unwrought | | | | | | | | | | |
| Unrefined- | | | | | | | | | | |
| Base bullion (d) | 130 312 | 151 653 | 127 691 | 168 669 | 145 762 | 194 998 | 297 843 | 323 923 | 312 933 | 295 977 |
| Other | 1 300 | 0 | 133 | 1 | 253 | 1 180 | 41 | 256 | 4 | 426 |
| Refined | 14 179 | 14 359 | 18 468 | 19 605 | 25 153 | 14 569 | 18 682 | 28 354 | 26 175 | 35 885 |
| Alloys | 1 798 | 787 | 1 287 | 1 331 | 1 | 2 741 | 1 681 | 2 678 | 2 127 | 3 |
| Scrap | 4 962 | 8 858 | 4 792 | 3 317 | 4 169 | 4 695 | 9 957 | 5 430 | 3 361 | 4 598 |
| <i>Exports</i> | | | | | | | | | | |
| Ores & concentrates | 67 | 11 | 84 | 13 | 31 | 98 | 37 | 146 | 35 | 68 |
| Ash and residues | 515 | 982 | 852 | 760 | 420 | 327 | 560 | 547 | 478 | 387 |
| Unwrought | | | | | | | | | | |
| Unrefined- | | | | | | | | | | |
| Base bullion | 0 | 21 | 822 | 1 993 | 926 | 3 | 40 | 1 398 | 2 956 | 1 602 |
| Other | 45 | 1 226 | 65 046 | 69 975 | 68 847 | 38 | 1 635 | 113 204 | 106 242 | 114 849 |
| Refined | 126 697 | 103 988 | 79 009 | 97 771 | 74 945 | 144 935 | 152 672 | 124 734 | 135 417 | 112 151 |
| Alloys | 54 505 | 62 406 | 4 820 | 6 050 | 5 521 | 70 000 | 97 889 | 7 606 | 8 659 | 8 140 |
| Scrap | 56 055 | 69 404 | 74 789 | 57 990 | 53 746 | 48 579 | 74 457 | 90 421 | 61 951 | 61 674 |

(a) By-product of Pennine fluorspar operations and of gold mining in Northern Ireland.

(b) BGS estimate.

(c) Refined from imported bullion including lead content of alloys.

(d) Containing substantial quantities of silver.

Limestone, dolomite and chalk

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------|------------|------------|----------------|----------------|----------------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Limestone | | | | | | | | | | |
| Production | | | | | | | | | | |
| Limestone | 60 111 000 | 56 985 000 | (a) 58 100 000 | (a) 54 800 000 | (a) 56 900 000 | | | | | |
| Dolomite | 3 164 000 | 4 540 000 | 4 490 000 | 4 896 000 | 3 432 000 | | | | | |
| Imports | | | | | | | | | | |
| Limestone flux (b) | 24 368 | 14 954 | 5 187 | 6 511 | 5 784 | 1 764 | 1 758 | 1 729 | 2 060 | 915 |
| Lime | 9 091 | 9 883 | 16 305 | 13 513 | 10 789 | 1 235 | 1 627 | 2 356 | 2 067 | 1 866 |
| Dolomite | 149 802 | 149 695 | 144 281 | 105 741 | 206 405 | 4 612 | 4 961 | 5 675 | 3 963 | 7 695 |
| Exports | | | | | | | | | | |
| Limestone flux (b) | 226 165 | 225 551 | 250 651 | 213 229 | 267 649 | 2 763 | 3 161 | 3 442 | 2 446 | 2 552 |
| Lime | 95 357 | 106 075 | 157 690 | 140 234 | 153 202 | 13 382 | 13 442 | 17 946 | 18 658 | 19 423 |
| Dolomite (c) | 51 600 | 105 100 | 243 200 | 281 300 | 239 700 | 4 100 | 9 200 | 14 500 | 16 600 | 15 500 |
| Chalk | | | | | | | | | | |
| <i>Production</i> (d) | 4 047 000 | 3 626 000 | 3 996 000 | 3 473 000 | 3 528 000 | | | | | |
| <i>Imports</i> | 3 878 | 9 341 | 8 002 | 23 144 | 46 225 | 627 | 1 074 | 852 | 1 957 | 3 008 |
| <i>Exports</i> | 30 890 | 22 504 | 21 221 | 17 343 | 31 621 | 1 870 | 1 542 | 1 680 | 1 342 | 1 849 |

(a) Includes an estimate for Northern Ireland.

(b) Including calcareous stone commonly used for the manufacture of lime or cement.

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

(d) Great Britain only. There is a small, undisclosed production in Northern Ireland.

Great Britain production of limestone and chalk for cement, 2001–2013

Thousand tonnes

| Year | Limestone | Chalk | Total |
|------|-----------|-------|--------|
| 2001 | 10 123 | 5 111 | 15 234 |
| 2002 | 9 642 | 5 550 | 15 192 |
| 2003 | 9 573 | 5 360 | 14 933 |
| 2004 | 9 474 | 5 177 | 14 651 |
| 2005 | ... | ... | 13 235 |
| 2006 | ... | ... | 12 408 |
| 2007 | ... | ... | 13 837 |
| 2008 | ... | ... | 11 539 |
| 2009 | ... | ... | 8 208 |
| 2010 | ... | ... | 8 703 |
| 2011 | ... | ... | 9 936 |
| 2012 | ... | ... | 9 225 |
| 2013 | 8 115 | 1 941 | 10 056 |

(a) BGS estimate.

Source: Office for National Statistics.

Great Britain production of limestone, dolomite and chalk for agricultural uses, 2001–2013

Thousand tonnes

| Year | Limestone | Dolomite | Chalk | Total | Calcination (a) |
|------|-----------|----------|-------|-------|-----------------|
| 2001 | 810 | ... | ... | 1 610 | 11 |
| 2002 | 789 | ... | ... | 1 639 | ... |
| 2003 | 1 007 | ... | ... | 2 036 | ... |
| 2004 | 921 | ... | ... | 1 811 | ... |
| 2005 | 757 | ... | ... | 1 595 | ... |
| 2006 | ... | ... | ... | 1 709 | ... |
| 2007 | ... | ... | ... | 1 826 | ... |
| 2008 | ... | ... | ... | 1 629 | ... |
| 2009 | ... | ... | ... | 1 927 | ... |
| 2010 | ... | ... | ... | 1 795 | ... |
| 2011 | ... | ... | ... | 1 990 | ... |
| 2012 | 965 | ... | ... | 1 580 | ... |
| 2013 | ... | ... | ... | 2 129 | — |

(a) Comprises material included in the total which, after calcination, was used as lime and dolomitic lime.

Source: Office for National Statistics.

Great Britain production of limestone, dolomite and chalk for industrial uses, 2001–2013

Thousand tonnes

| Year | Limestone | Dolomite | Chalk | Total | Calcination |
|------|-----------|----------|-------|-------|-------------|
| 2001 | 6 357 | ... | ... | 9 625 | (a) 4 925 |
| 2002 | 6 536 | ... | ... | 8 915 | (b) 3 766 |
| 2003 | 6 799 | ... | ... | 9 684 | (b) 3 906 |
| 2004 | 6 003 | ... | ... | 8 614 | (b) 2 897 |
| 2005 | ... | ... | ... | 8 456 | (b) 2 721 |
| 2006 | 5 911 | ... | ... | 8 776 | 2 459 |
| 2007 | 5 945 | ... | ... | 8 713 | 2 885 |
| 2008 | 5 862 | ... | ... | 8 437 | 2 256 |
| 2009 | 2 577 | ... | ... | 4 408 | 831 |
| 2010 | 4 842 | ... | ... | 6 764 | 1 401 |
| 2011 | 5 401 | ... | ... | 7 478 | 2 262 |
| 2012 | ... | ... | ... | 7 557 | 1 666 |
| 2013 | 5 893 | ... | ... | 8 142 | 2 435 |

(a) Comprises material included in the total which, after calcination, was used for industrial purposes as lime or dolomitic lime. Excludes small amounts for agricultural purposes.

Source: Office for National Statistics.

(b) Including small amounts used for agricultural purposes but excluded from the total.

Great Britain production of limestone, dolomite and chalk for industrial uses by end-use, 2000–2013

Thousand tonnes

| Year | Iron and steel making (a) | Chemicals (a) | Glass making | Special fillers | Asphalt fillers | Building materials | Water and effluent treatment and pollution control (a) | Total (a) |
|------|---------------------------|---------------|--------------|-----------------|-----------------|--------------------|--|-----------|
| 2001 | ... | 2 630 | 278 | ... | 211 | 957 | 1 384 | 9 625 |
| 2002 | ... | ... | 233 | 1 759 | 164 | ... | 1 154 | 8 915 |
| 2003 | ... | ... | ... | ... | 325 | ... | ... | 9 686 |
| 2004 | ... | ... | ... | ... | 149 | ... | ... | 8 615 |
| 2005 | ... | ... | ... | 1 131 | 126 | 577 | ... | 8 457 |
| 2006 | 4 390 | ... | 280 | 983 | ... | 624 | ... | 8 776 |
| 2007 | 4 319 | ... | ... | 991 | 116 | 698 | ... | 8 714 |
| 2008 | 4 089 | ... | ... | 928 | 105 | 529 | 1 362 | 8 439 |
| 2009 | 2 822 | 102 | 200 | 834 | 95 | 122 | 233 | 4 408 |
| 2010 | 3 035 | ... | ... | 912 | 85 | 332 | ... | 6 766 |
| 2011 | 3 583 | 1 079 | 212 | ... | ... | 381 | 1 216 | 7 477 |
| 2012 | 2 960 | 1 086 | 210 | 1 245 | 94 | 559 | 1 402 | 7 556 |
| 2013 | 3 975 | 1 031 | 173 | 869 | 85 | 642 | 1 366 | 8 142 |

(a) Including material for calcination.

Source: Office for National Statistics.

Great Britain production of limestone, dolomite and chalk for calcination by end-use, 2001–2013

Thousand tonnes

| Year | Agriculture | Iron and Steel | Chemicals | Building materials | Others | Total |
|------|-------------|----------------|-----------|--------------------|--------|-------|
| 2001 | 11 | 1 248 | 2 630 | 957 | 90 | 4 936 |
| 2002 | ... | 1 228 | 1 922 | 537 | ... | 3 766 |
| 2003 | ... | 1 353 | 1 858 | ... | ... | 3 906 |
| 2004 | ... | 1 463 | ... | ... | ... | 2 897 |
| 2005 | ... | 1 460 | ... | ... | ... | 2 721 |
| 2006 | ... | 1 230 | ... | ... | ... | 2 459 |
| 2007 | ... | 1 220 | ... | ... | ... | 2 885 |
| 2008 | ... | 1 113 | ... | ... | ... | 2 256 |
| 2009 | ... | ... | ... | ... | ... | 831 |
| 2010 | ... | ... | ... | ... | ... | 1 401 |
| 2011 | ... | 903 | ... | ... | ... | 2 262 |
| 2012 | ... | ... | ... | ... | ... | 1 666 |
| 2013 | — | ... | ... | — | ... | 2 435 |

Source: Office for National Statistics.

Great Britain production of limestone, dolomite and chalk for iron and steel making, 2001–2013

Thousand tonnes

| Year | Limestone | Dolomite and chalk | Total | Calcination (a) |
|------|-----------|--------------------|-------|-----------------|
| 2001 | 1 844 | ... | ... | 1 248 |
| 2002 | 1 866 | ... | ... | 1 228 |
| 2003 | 1 948 | ... | ... | 1 353 |
| 2004 | 1 592 | ... | ... | 1 463 |
| 2005 | 1 745 | ... | ... | 1 460 |
| 2006 | ... | ... | 4 390 | 1 230 |
| 2007 | ... | ... | 4 319 | 1 220 |
| 2008 | ... | ... | 4 089 | 1 113 |
| 2009 | ... | ... | 2 822 | ... |
| 2010 | ... | ... | 3 035 | ... |
| 2011 | ... | ... | 3 583 | 903 |
| 2012 | ... | ... | 2 960 | ... |
| 2013 | ... | ... | 3 975 | ... |

(a) Comprises material included in the total which, after

Source: Office for National Statistics.

England production of limestone by end-use 2001–2013

Thousand tonnes

| Year | For constructional uses (a) | | | | | For other uses | | | | | | | | | | | | | | Total |
|----------------|-----------------------------|------------------------------|----------|----------------------------|-------|-----------------|--------------------|---------------------------|---------------------------|-----------------------|------------------|----------------|--------|---------------|--------------------|------------------------|--------------|--------------------|-------------------|--------|
| | Roadstone | | | | | Railway ballast | Concrete aggregate | Other screened and graded | Other constructional uses | Armour-stone & Gabion | Agricultural use | Iron and steel | Cement | Chemical uses | Building materials | Environmental uses (d) | Glass making | Asphalt filler (b) | Other fillers (c) | |
| Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | | | | | | | | | | | | | | | | |
| 2001 | 168 | ... | 4 956 | 20 502 | ... | ... | 16 457 | ... | 19 545 | ... | 561 | ... | ... | ... | ... | ... | 109 | ... | ... | 79 902 |
| 2002 | 145 | 3 726 | 3 755 | 13 931 | ... | — | 15 985 | ... | 21 697 | ... | 524 | ... | 7 595 | ... | ... | ... | 107 | ... | 3 045 | 73 528 |
| 2003 | 160 | 3 597 | 3 720 | 14 586 | ... | 2 | 15 925 | ... | 17 627 | ... | 700 | 1 382 | 7 087 | ... | ... | 96 | 209 | 1 313 | 3 103 | 69 507 |
| 2004 | ... | 3 829 | 1 918 | 13 029 | 1 015 | 394 | 11 949 | 7 863 | 18 760 | 94 | 686 | 948 | 7 122 | 1 156 | ... | 114 | 113 | 1 013 | ... | 72 173 |
| 2005 | ... | 4 486 | 2 536 | 12 618 | 794 | ... | 10 732 | 6 604 | 16 720 | 126 | 544 | 1 180 | 6 485 | 1 428 | ... | 115 | 88 | 848 | ... | 67 325 |
| 2006 | 369 | 4 758 | 2 406 | 13 681 | ... | ... | 11 605 | 6 681 | 15 142 | 279 | 623 | 1 751 | 5 981 | ... | ... | ... | ... | ... | ... | 67 356 |
| 2007 | ... | 4 033 | 2 765 | 13 855 | ... | ... | 13 043 | 6 605 | 13 633 | 256 | 748 | 1 884 | 6 334 | ... | ... | 98 | ... | 717 | ... | 67 378 |
| 2008 | 298 | 3 342 | 3 499 | 10 525 | ... | ... | 12 716 | 5 033 | 12 967 | 322 | 654 | 1 898 | 5 684 | ... | ... | 112 | ... | 667 | ... | 60 738 |
| 2009 | ... | 2 714 | ... | 8 983 | ... | ... | 10 700 | 4 908 | 8 056 | 189 | 908 | 1 293 | ... | ... | ... | ... | ... | 615 | ... | 48 751 |
| 2010 | ... | ... | ... | 7 778 | ... | ... | 9 114 | 4 152 | 4 843 | 171 | 846 | 1 249 | 5 326 | ... | ... | ... | ... | 633 | ... | 47 569 |
| 2011 (a) | ... | 1 755 | ... | 6 668 | ... | ... | 8 759 | 7 952 | 6 524 | 154 | 1 279 | 2 530 | 6 125 | ... | ... | 206 | ... | ... | ... | 49 772 |
| 2012 (a) | 392 | 1 373 | ... | 6 333 | ... | ... | 8 837 | 5 863 | 7 294 | 244 | 988 | 2 162 | 5 561 | ... | ... | ... | 68 | 975 | ... | 46 976 |
| 2013 (a) | 419 | ... | ... | 5 942 | ... | — | 7 385 | 6 943 | 7 480 | 200 | 1 388 | ... | 6 137 | ... | ... | 175 | ... | 644 | ... | 46 423 |

(a) Including dolomite.

(b) For filler in asphalt and as mine dust.

(c) For other fillers, powders and whittings (e.g. in animal feed, polymers, paint, paper and pharmaceuticals).

(d) For water & effluent treatment and pollution control.

Source: Office for National Statistics.

Wales production of limestone by end-use 2001–2013

Thousand tonnes

| Year | For constructional uses (a) | | | | | For other uses | | | | | | | | | | | | | | Total |
|----------------|-----------------------------|------------------------------|----------|----------------------------|-----|-----------------|--------------------|---------------------------|---------------------------|-----------------------|------------------|----------------|--------|---------------|--------------------|------------------------|--------------|--------------------|-------------------|--------|
| | Roadstone | | | | | Railway ballast | Concrete aggregate | Other screened and graded | Other constructional uses | Armour-stone & Gabion | Agricultural use | Iron and steel | Cement | Chemical uses | Building materials | Environmental uses (d) | Glass making | Asphalt filler (b) | Other fillers (c) | |
| Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | | | | | | | | | | | | | | | | |
| 2001 | 44 | ... | 328 | 1 731 | ... | ... | 4 299 | ... | 4 802 | ... | 101 | ... | ... | ... | ... | — | — | 8 | ... | 14 238 |
| 2002 | 45 | 912 | ... | 1 280 | ... | — | 4 115 | ... | 4 761 | ... | ... | ... | 887 | ... | ... | — | 3 | 11 | — | 12 850 |
| 2003 | 39 | 866 | ... | 1 756 | ... | ... | ... | ... | 3 845 | ... | 133 | 565 | 1 238 | ... | ... | — | ... | ... | — | 13 208 |
| 2004 | 29 | 953 | ... | 1 416 | ... | ... | 2 977 | ... | 3 142 | ... | 99 | 643 | 1 142 | — | 1 | — | — | — | ... | 12 926 |
| 2005 | 9 | ... | ... | 1 474 | ... | ... | 1 829 | 1 912 | 3 471 | ... | 100 | 565 | ... | — | — | — | — | — | ... | 12 759 |
| 2006 | ... | 1 260 | ... | 1 495 | ... | ... | ... | 1 909 | 4 460 | ... | 85 | ... | ... | — | — | — | — | — | ... | 13 707 |
| 2007 | 13 | ... | ... | 1 584 | ... | ... | ... | 1 767 | ... | ... | 89 | ... | 1 491 | — | — | — | — | ... | — | 14 549 |
| 2008 | ... | ... | 341 | 1 357 | — | ... | ... | 926 | 4 222 | ... | 85 | ... | 1 238 | — | — | — | — | — | ... | 12 114 |
| 2009 | ... | ... | ... | 1 472 | 1 | ... | 2 011 | 560 | 1 221 | 25 | ... | ... | ... | — | — | — | — | — | ... | 8 131 |
| 2010 | ... | 454 | 210 | 1 351 | — | ... | 1 770 | 914 | 1 401 | ... | 118 | ... | 746 | — | — | — | — | — | ... | 7 878 |
| 2011 (a) | ... | 345 | ... | 964 | — | ... | 1 831 | ... | 1 352 | ... | ... | ... | 818 | — | — | — | — | — | ... | 7 897 |
| 2012 (a) | ... | 310 | ... | 920 | — | ... | 1 701 | 1 786 | 1 451 | ... | 121 | ... | 1 037 | — | — | — | — | — | ... | 7 938 |
| 2013 (a) | 57 | ... | ... | 1 278 | — | — | 1 777 | 2 067 | 1 376 | ... | 167 | ... | ... | — | ... | — | — | — | ... | 8 934 |

(a) Including dolomite.

(b) For filler in asphalt and as mine dust.

(c) For other fillers, powders and whittings (e.g. in animal feed, polymers, paint, paper and pharmaceuticals).

(d) For water & effluent treatment and pollution control.

(e) BGS estimate.

Source: Office for National Statistics.

Scotland production of limestone by end-use 2001–2013

Thousand tonnes

| Year | For constructional uses (a) | | | | | For other uses | | | | | | | | | | | | | | Total | |
|----------|-----------------------------|-------------|------------------------------|----------|----------------------------|-----------------|--------------------|---------------------------|---------------------------|-----------------------|------------------|----------------|--------|---------------|--------------------|------------------------|--------------|--------------------|-------------------|-------|------------|
| | Roadstone | | | | | Railway ballast | Concrete aggregate | Other screened and graded | Other constructional uses | Armour-stone & Gabion | Agricultural use | Iron and steel | Cement | Chemical uses | Building materials | Environmental uses (d) | Glass making | Asphalt filler (b) | Other fillers (c) | | Other uses |
| | Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | | | | | | | | | | | | | | | | |
| 2001 | ... | ... | — | 127 | ... | — | 24 | ... | 126 | ... | 148 | — | 1 218 | ... | ... | ... | — | ... | ... | — | 1 733 |
| 2002 | 1 | 26 | ... | 96 | ... | — | 12 | ... | 119 | ... | ... | — | 1 160 | ... | ... | ... | — | ... | ... | — | 1 635 |
| 2003 | ... | 30 | ... | 104 | ... | — | ... | ... | 98 | ... | 174 | — | 1 248 | ... | ... | ... | — | ... | ... | — | 1 730 |
| 2004 | ... | 77 | ... | 112 | ... | — | 4 | ... | 79 | ... | 136 | — | 1 210 | — | — | — | — | ... | ... | ... | 1 746 |
| 2005 | ... | ... | ... | 103 | ... | — | 9 | 29 | 111 | 12 | 113 | — | 1 216 | — | — | — | — | ... | ... | ... | 1 746 |
| 2006 | ... | 44 | ... | 77 | ... | — | ... | ... | 30 | 128 | ... | — | 1 042 | — | — | — | — | ... | ... | ... | 1 534 |
| 2007 | ... | ... | ... | 85 | ... | — | ... | ... | 39 | ... | ... | — | ... | — | — | — | — | ... | ... | ... | 1 555 |
| 2008 | ... | ... | — | 78 | ... | — | ... | ... | 136 | 23 | ... | — | ... | — | — | — | — | ... | ... | ... | 1 473 |
| 2009 | ... | ... | ... | 117 | — | — | 26 | 71 | 28 | 7 | 163 | — | 705 | — | — | — | — | ... | ... | ... | 1 210 |
| 2010 | — | ... | ... | 105 | ... | — | 31 | 53 | 21 | ... | ... | — | ... | — | — | — | — | ... | ... | ... | 1 072 |
| 2011 (a) | ... | — | — | 150 | ... | — | 27 | ... | 26 | ... | ... | — | ... | — | — | — | — | ... | ... | ... | 1 251 |
| 2012 (a) | — | — | — | 74 | — | — | 13 | 15 | 35 | 5 | ... | — | ... | — | — | — | — | ... | ... | ... | 1 120 |
| 2013 (a) | — | — | — | ... | — | — | ... | ... | 70 | ... | 244 | — | ... | — | — | — | — | ... | ... | ... | 1 269 |

(a) Including dolomite.

(b) For filler in asphalt and as mine dust.

(c) For other fillers, powders and whittings (e.g. in animal feed, polymers, paint, paper and pharmaceuticals).

(d) For water & effluent treatment and pollution control.

(e) BGS estimate.

Source: Office for National Statistics.

Great Britain consumption of dolomite, limestone and lime in iron and steel production, 1977–2013

Thousand tonnes

| Year | Dolomite, incl. calcined dolomite (dolime) | | Limestone | | | Lime | |
|------|--|----------------|----------------------------------|----------------|----------------|----------------|----------------|
| | Blast furnaces and sinter plants | Steel furnaces | Blast furnaces and sinter plants | Steel furnaces | Other purposes | Steel Furnaces | Other purposes |
| 1977 | 643 | 192 | 1 487 | 252 | 5 | 1 175 | 14 |
| 1978 | 647 | 183 | 1 399 | 106 | — | 1 227 | — |
| 1979 | 859 | 323 | 1 090 | 116 | — | 1 323 | — |
| 1980 | 389 | 182 | 611 | 7 | — | 663 | — |
| 1981 | 400 | 308 | 1 031 | 2 | — | 911 | — |
| 1982 | 280 | 255 | 888 | 2 | — | 799 | — |
| 1983 | 400 | 298 | 1 164 | 1 | — | 865 | — |
| 1984 | 405 | 310 | 1 143 | 1 | — | 824 | — |
| 1985 | 425 | 284 | 1 562 | — | — | 801 | — |
| 1986 | 333 | 270 | 1 494 | 2 | — | 680 | — |
| 1987 | 405 | 275 | 1 827 | — | — | 761 | — |
| 1988 | 477 | 319 | 1 948 | — | — | 810 | — |
| 1989 | 430 | 315 | 2 062 | — | — | 822 | — |
| 1990 | 410 | 287 | 1 992 | — | — | 778 | — |
| 1991 | 323 | 264 | 2 124 | — | — | 696 | — |
| 1992 | 391 | 246 | 2 033 | — | — | 682 | — |
| 1993 | 276 | 238 | 2 077 | — | — | 719 | — |
| 1994 | 201 | 264 | 2 236 | — | — | 767 | — |
| 1995 | 67 | 316 | 2 318 | — | — | 787 | — |
| 1996 | 59 | 397 | 2 225 | — | — | 744 | — |
| 1997 | 42 | 462 | 2 445 | — | — | 751 | — |
| 1998 | 3 | 492 | 2 411 | — | — | 739 | — |
| 1999 | 5 | 364 | 2 408 | — | — | 698 | — |
| 2000 | 1 | 337 | 2 166 | — | — | 660 | — |
| 2001 | 7 | 254 | 1 889 | — | — | 561 | — |
| 2002 | 8 | 215 | 1 684 | — | — | 501 | — |
| 2003 | 8 | 246 | 2 019 | — | — | 530 | — |
| 2004 | 3 | 260 | 2 068 | — | — | 584 | — |
| 2005 | 0 | 243 | 1 951 | — | — | 593 | — |
| 2006 | 183 | 262 | 2 028 | — | — | 631 | — |
| 2007 | 184 | 291 | 1 822 | — | — | 585 | — |
| 2008 | 166 | 254 | 1 664 | — | — | 496 | — |
| 2009 | 145 | 224 | 1 095 | — | — | 378 | — |
| 2010 | 156 | 243 | 948 | — | — | 371 | — |
| 2011 | 127 | 217 | 932 | — | — | 395 | — |
| 2012 | 383 | 174 | 912 | — | — | 379 | — |
| 2013 | 543 | 217 | 1 147 | — | — | 387 | — |

Source: Iron and Steel Statistics Bureau.

This table shows the consumption of fluxes used in iron and steelmaking. Dolomite and limestone are used in blast furnaces and in sinter plants, whilst lime and calcined dolomite, or dolime, are used in steelmaking. These figures do not entirely agree with those shown elsewhere for the production of limestone, dolomite and chalk for iron and steelmaking, even allowing for the conversion of lime and dolime to carbonate.

Great Britain production of dolomite (a) by end-use 2001–2013

Thousand tonnes

| Year | Building stone | Constructional use | Agricultural use (b) | Other uses (b) | Total |
|------|----------------|--------------------|----------------------|----------------|--------|
| 2001 | 34 | 12 381 | ... | ... | 14 314 |
| 2002 | 9 | 11 839 | ... | ... | 12 946 |
| 2003 | 7 | 10 391 | ... | ... | ... |
| 2004 | 8 | 10 832 | ... | ... | 12 226 |
| 2005 | ... | ... | ... | ... | 11 514 |
| 2006 | ... | 10 283 | ... | ... | 12 100 |
| 2007 | ... | 5 898 | ... | ... | 7 622 |
| 2008 | 2 | 3 918 | ... | ... | 5 510 |
| 2009 | ... | 1 954 | ... | ... | 3 164 |
| 2010 | ... | 3 222 | ... | ... | 4 540 |
| 2011 | (c) | (d) 3 124 | ... | ... | 4 490 |
| 2012 | (c) | (d) 3 611 | ... | ... | 4 896 |
| 2013 | ... | ... | ... | ... | 3 432 |

(a) Data also included in table for 'Limestone'.

Source: Office for National Statistics.

(b) Including material for calcination.

(c) Included in constructional use.

(d) Including building stone.

England production of chalk by end-use 2001–2013

Thousand tonnes

| Year | Cement | Constructional use | Agricultural use | Industrial uses | Total |
|------|--------|--------------------|------------------|-----------------|-------|
| 2001 | 5 111 | 925 | ... | ... | 8 205 |
| 2002 | 5 550 | 904 | ... | ... | 8 587 |
| 2003 | 5 360 | 561 | ... | ... | 8 066 |
| 2004 | 5 177 | 705 | ... | ... | 7 997 |
| 2005 | ... | 795 | ... | ... | 7 105 |
| 2006 | ... | 681 | ... | ... | 7 376 |
| 2007 | ... | 698 | ... | ... | 7 565 |
| 2008 | ... | 497 | ... | ... | 5 874 |
| 2009 | ... | 530 | ... | ... | 4 047 |
| 2010 | ... | 312 | ... | ... | 3 626 |
| 2011 | ... | 276 | ... | ... | 3 996 |
| 2012 | ... | 327 | ... | ... | 3 473 |
| 2013 | ... | ... | 330 | ... | 3 528 |

Source: Office for National Statistics.

Lithium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------|--------|------|------|------|------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Lithium | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Oxide and hydroxide | 914 | 218 | 215 | 119 | 281 | 3 743 | 1 138 | 1 213 | 1 034 | 904 |
| Carbonate | 622 | 427 | 376 | 344 | 364 | 2 477 | 1 546 | 1 664 | 1 573 | 1 822 |
| <i>Exports</i> | | | | | | | | | | |
| Oxide and hydroxide | 569 | 144 | 7 | 41 | 39 | 2 268 | 667 | 279 | 320 | 279 |
| Carbonate | 193 | 123 | 50 | 102 | 86 | 671 | 315 | 273 | 515 | 378 |

Magnesia

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Magnesia | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Magnesite | 3 567 | 8 640 | 7 903 | 5 059 | 5 015 | 556 | 1 438 | 1 413 | 973 | 1 223 |
| Magnesia- | | | | | | | | | | |
| Dead burned | 8 178 | 5 716 | 6 235 | 15 493 | 6 966 | 3 378 | 3 216 | 3 388 | 6 077 | 3 190 |
| Caustic-calcined | 32 537 | 37 527 | 40 534 | 48 557 | 53 987 | 8 136 | 10 992 | 11 590 | 11 169 | 12 397 |
| Other | 3 158 | 5 833 | 5 494 | 6 280 | 8 869 | 3 628 | 5 624 | 5 563 | 5 473 | 5 956 |
| Kieserite | 11 610 | 18 284 | 11 158 | 15 082 | 13 610 | 2 437 | 3 960 | 2 951 | 3 231 | 2 729 |
| Magnesite or chrome-magnesite refractory bricks and shapes (a)(b) | 18 981 | 25 057 | 31 338 | 28 103 | 22 667 | 13 369 | 16 516 | 21 724 | 20 423 | 21 164 |
| <i>Exports</i> | | | | | | | | | | |
| Magnesite | 518 | 470 | 745 | 1 163 | 1 744 | 583 | 464 | 752 | 1 258 | 1 980 |
| Magnesia- | | | | | | | | | | |
| Dead burned | 902 | 1 729 | 2 270 | 942 | 1 394 | 612 | 869 | 1 632 | 490 | 734 |
| Caustic-calcined | 1 703 | 4 927 | 19 316 | 8 082 | 5 947 | 1 543 | 3 642 | 6 512 | 2 587 | 2 660 |
| Other | 7 057 | 7 841 | 6 456 | 5 845 | 6 676 | 7 763 | 8 545 | 7 617 | 7 022 | 8 509 |
| Kieserite | 22 | 42 | 48 | 26 | 47 | 12 | 27 | 16 | 14 | 27 |
| Magnesite or chrome-magnesite refractory bricks and shapes (a)(b) | 651 | 459 | 1 525 | 3 235 | 4 107 | 1 156 | 792 | 1 123 | 2 014 | 871 |

(a) Including dolomite bricks.

(b) Fired bricks and shapes only: unfired (chemically bonded) products excluded.

Magnesium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------------|--------|-------|-------|-------|-------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Magnesium | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ferro-silico-magnesium | 512 | 931 | 1 328 | 1 360 | 1 211 | 536 | 1 006 | 1 583 | 1 294 | 1 173 |
| Scrap | 748 | 875 | 847 | 702 | 289 | 380 | 819 | 767 | 455 | 204 |
| Unwrought | 1 763 | 3 171 | 2 810 | 3 233 | 2 567 | 3 740 | 6 231 | 6 507 | 7 206 | 5 052 |
| Unwrought alloys | 2 386 | 4 252 | 4 521 | 5 719 | 4 827 | 6 222 | 9 054 | 10 651 | 12 618 | 9 976 |
| Wrought | 3 576 | 6 631 | 6 893 | 6 276 | 8 108 | 13 762 | 22 348 | 24 407 | 23 520 | 24 504 |
| <i>Exports</i> | | | | | | | | | | |
| Ferro-silico-magnesium | 458 | 366 | 338 | 327 | 240 | 709 | 457 | 550 | 485 | 384 |
| Scrap | 1 937 | 3 143 | 3 976 | 4 273 | 4 470 | 3 665 | 6 179 | 7 360 | 7 694 | 8 063 |
| Unwrought | 13 | 209 | 175 | 60 | 116 | 242 | 564 | 519 | 301 | 220 |
| Unwrought alloys | 2 470 | 1 872 | 2 110 | 2 230 | 1 859 | 13 412 | 11 007 | 13 536 | 16 810 | 16 155 |
| Wrought | 674 | 626 | 855 | 827 | 896 | 5 109 | 4 301 | 6 164 | 5 937 | 7 152 |

Manganese

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Manganese | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry</i> | | | | | | | | | | |
| Ore | 20 500 | — | — | — | ... | | | | | |
| Ferro-manganese | 69 770 | 67 560 | 65 870 | 66 320 | ... | | | | | |
| Ferro-silico-manganese | 17 030 | 16 490 | 16 080 | 16 180 | ... | | | | | |
| <i>Apparent consumption (a)</i> | 68 000 | 72 000 | 73 000 | 64 000 | 80 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores & Concentrates (b) | 941 | 1 517 | 1 656 | 1 597 | 2 168 | 613 | 678 | 828 | 878 | 1 199 |
| Ferro-manganese | 49 700 | 46 985 | 39 159 | 47 706 | 59 517 | 45 265 | 47 612 | 36 925 | 36 963 | 42 857 |
| Ferro-silico-manganese | 37 114 | 49 280 | 51 928 | 36 661 | 43 823 | 24 468 | 42 091 | 41 491 | 27 725 | 30 871 |
| Scrap | 83 | 155 | 102 | 54 | 58 | 172 | 285 | 222 | 96 | 108 |
| Unwrought | 3 295 | 4 499 | 4 329 | 3 417 | 3 402 | 4 488 | 7 178 | 9 039 | 6 118 | 5 999 |
| Wrought | 746 | 1 965 | 1 013 | 250 | 336 | 1 380 | 3 664 | 2 090 | 498 | 779 |
| Oxides | 5 438 | 9 344 | 12 323 | 11 482 | 8 554 | 3 009 | 4 433 | 6 064 | 6 030 | 4 261 |
| <i>Exports</i> | | | | | | | | | | |
| Ores & Concentrates | 65 | 97 | 129 | 101 | 284 | 90 | 62 | 112 | 450 | 255 |
| Ferro-manganese | 963 | 8 361 | 819 | 658 | 407 | 933 | 8 522 | 1 210 | 848 | 546 |
| Ferro-silico-manganese | 65 | 52 | 132 | 7 503 | 3 626 | 59 | 55 | 75 | 1 320 | 919 |
| Oxides | 1 768 | 4 173 | 5 315 | 4 309 | 4 228 | 1 289 | 1 714 | 2 995 | 2 646 | 2 542 |
| Metal (c) | 2 200 | 2 000 | 2 100 | 1 600 | 1 200 | 4 600 | 4 100 | 5 600 | 3 800 | 2 700 |

(a) BGS estimates; see explanatory notes.

(b) Including manganiferous iron ore.

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

Marble

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------------|---------|---------|---------|---------|---------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Marble | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Dimension stone- | | | | | | | | | | |
| Unworked | 26 787 | 21 339 | 20 655 | 17 548 | 13 660 | 16 466 | 15 556 | 14 965 | 11 446 | 11 229 |
| Worked | 100 648 | 92 078 | 88 210 | 99 130 | 87 454 | 70 696 | 59 417 | 53 335 | 63 383 | 58 785 |
| Crushed and powdered | 177 802 | 190 740 | 190 848 | 174 935 | 153 186 | 8 586 | 10 558 | 12 085 | 11 058 | 11 128 |
| <i>Exports</i> | | | | | | | | | | |
| Dimension stone- | | | | | | | | | | |
| Unworked | 728 | 822 | 698 | 402 | 437 | 493 | 1 221 | 805 | 364 | 626 |
| Worked | 1 603 | 1 332 | 965 | 1 224 | 919 | 3 294 | 3 310 | 1 967 | 2 322 | 2 337 |
| Crushed and powdered | 1 723 | 830 | 798 | 783 | 273 | 317 | 271 | 263 | 176 | 103 |

Mercury

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|------|------|------|------|------------|------|------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Mercury | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Elemental | 1 | 22 | 0 | 21 | 42 | 29 | 71 | 14 | 73 | 121 |
| <i>Exports</i> | | | | | | | | | | |
| Elemental | 179 | 9 | 5 | 3 | 3 | 741 | 194 | 263 | 37 | 19 |

Mica

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|-------|-------|-------|-------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Mica | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Crude (a) | 328 | 43 | 243 | 407 | 131 | 139 | 20 | 99 | 290 | 210 |
| Ground | 6 396 | 7 341 | 7 926 | 9 203 | 7 307 | 1 862 | 2 225 | 2 360 | 2 915 | 2 438 |
| Waste | 49 | 902 | 0 | 0 | 24 | 4 | 245 | 12 | 4 | 13 |
| Worked | 604 | 654 | 878 | 840 | 1 194 | 5 023 | 4 317 | 4 852 | 4 459 | 5 428 |
| <i>Exports</i> | | | | | | | | | | |
| Crude (a) | 4 | 12 | 4 | 0 | 1 | 2 | 5 | 12 | 2 | 12 |
| Ground | 3 928 | 4 125 | 4 234 | 3 639 | 4 678 | 3 741 | 3 679 | 3 527 | 3 265 | 4 324 |
| Waste | 12 | ... | ... | 0 | ... | 11 | ... | ... | 1 | ... |
| Worked | 650 | 706 | 926 | 601 | 824 | 6 395 | 7 595 | 9 289 | 7 686 | 8 753 |

(a) Including sheets or splitting.

Molybdenum

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|--------|--------|--------|--------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Molybdenum | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry (a)</i> | | | | | | | | | | |
| | 940 | 1 330 | 1 740 | 1 650 | ... | | | | | |
| <i>Apparent consumption (a)(b)</i> | 1 400 | 2 100 | 4 300 | 2 700 | 3 500 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Roasted molybdenite concentrates | 8 486 | 12 359 | 15 844 | 15 701 | 14 156 | 91 550 | 156 244 | 211 067 | 170 124 | 135 914 |
| Other ores and concentrates | 521 | 222 | 0 | 340 | 240 | 6 401 | 2 601 | 0 | 3 599 | 2 180 |
| Ferro-molybdenum | 325 | 322 | 573 | 458 | 259 | 4 028 | 5 292 | 8 950 | 5 648 | 3 024 |
| Scrap | 469 | 815 | 787 | 861 | 744 | 6 494 | 14 078 | 14 189 | 15 252 | 11 338 |
| Powders | 153 | 147 | 192 | 179 | 176 | 2 714 | 3 127 | 4 949 | 4 212 | 3 787 |
| Unwrought | 50 | 69 | 56 | 163 | 108 | 1 216 | 1 821 | 1 626 | 3 240 | 2 461 |
| Wrought | 34 | 68 | 380 | 284 | 243 | 1 424 | 2 969 | 4 797 | 2 402 | 2 369 |
| Oxides and hydroxides | 510 | 1 638 | 2 316 | 1 971 | 2 101 | 4 450 | 21 771 | 30 719 | 21 598 | 18 901 |
| <i>Exports</i> | | | | | | | | | | |
| Roasted molybdenite concentrates | 3 | 288 | 3 | 32 | — | 30 | 3 559 | 30 | 404 | — |
| Other ores and concentrates | 32 | 17 | 0 | 0 | — | 130 | 80 | 0 | 4 | 1 |
| Ferro-molybdenum | 7 634 | 11 248 | 12 948 | 12 421 | 11 922 | 87 193 | 168 557 | 184 969 | 162 717 | 126 828 |
| Scrap | 356 | 490 | 299 | 280 | 355 | 4 490 | 7 061 | 5 236 | 3 888 | 5 304 |
| Powders | 53 | 31 | 48 | 52 | 44 | 745 | 1 000 | 1 477 | 1 486 | 975 |
| Unwrought | 3 | 13 | 7 | 4 | 2 | 61 | 308 | 228 | 193 | 131 |
| Wrought | 21 | 37 | 49 | 39 | 71 | 1 476 | 1 879 | 2 434 | 1 611 | 1 892 |

(a) Metal content.

(b) BGS estimates; see explanatory notes.

Nepheline syenite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------------|--------|--------|--------|--------|--------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Nepheline syenite | | | | | | | | | | |
| <i>Imports</i> | 32 462 | 39 092 | 35 573 | 30 744 | 36 080 | 3 516 | 4 038 | 4 475 | 3 128 | 3 272 |
| <i>Exports</i> | 204 | 291 | 337 | 403 | 311 | 62 | 83 | 101 | 116 | 96 |

Nickel

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------------|--------|--------|--------|--------|--------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Nickel | | | | | | | | | | |
| <i>Production (a)</i> | 17 800 | 31 600 | 37 400 | 34 300 | 40 400 | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Iron and steel industry (b) | 7 980 | 9 540 | 11 770 | 10 360 | ... | | | | | |
| Other (b)(c) | 3 000 | 11 000 | 7 000 | 8 000 | ... | | | | | |
| Total (b)(d) | 11 400 | 20 470 | 18 600 | 18 700 | 15 500 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Mattes, sinters etc. | 25 929 | 50 263 | 58 519 | 57 108 | 63 129 | 177 459 | 509 294 | 612 378 | 451 142 | 408 942 |
| Ash and residues | ... | ... | 10 | 0 | ... | ... | ... | 1 497 | 3 | ... |
| Scrap | 9 593 | 8 154 | 6 741 | 9 237 | 9 887 | 32 297 | 43 239 | 46 529 | 58 870 | 54 790 |
| Ores & concentrates | 150 | 16 | 1 | 0 | 864 | 1 701 | 165 | 16 | 7 | 8 399 |
| Ferro-nickel | 2 777 | 6 284 | 13 888 | 17 916 | 13 439 | 6 221 | 22 518 | 51 589 | 57 312 | 32 375 |
| Unwrought | 8 003 | 14 200 | 12 707 | 11 521 | 8 130 | 75 146 | 199 286 | 193 423 | 130 650 | 78 697 |
| Unwrought alloys | 3 596 | 3 310 | 4 644 | 4 771 | 4 309 | 39 009 | 41 797 | 66 642 | 68 600 | 67 318 |
| Oxides | 1 | 6 | 5 | 6 | 67 | 31 | 142 | 172 | 113 | 148 |
| <i>Exports</i> | | | | | | | | | | |
| Mattes, sinters etc. | 107 | 389 | 157 | 111 | 381 | 617 | 1 283 | 1 502 | 1 652 | 2 330 |
| Ash and residues | 6 450 | 8 995 | 10 789 | 10 503 | 11 117 | 24 272 | 80 198 | 104 565 | 66 965 | 61 309 |
| Ores & concentrates | 182 | 54 | 51 | 55 | 35 | 2 322 | 974 | 1 084 | 856 | 655 |
| Scrap | 12 693 | 19 361 | 17 405 | 33 614 | 20 994 | 39 925 | 66 581 | 83 488 | 96 819 | 85 518 |
| Ferro-nickel | 18 | 15 | 49 | 539 | 183 | 350 | 327 | 385 | 477 | 1 463 |
| Unwrought | 15 834 | 18 639 | 28 994 | 30 322 | 31 742 | 142 166 | 258 660 | 416 592 | 348 945 | 319 122 |
| Unwrought alloys | 4 753 | 4 530 | 6 025 | 6 711 | 7 324 | 68 164 | 75 753 | 111 615 | 114 078 | 110 051 |
| Oxides | 8 | 2 | 2 | 2 | 3 | 157 | 87 | 79 | 100 | 145 |

(a) Nickel content of refinery products.

(b) Metal content.

(c) Not independently recorded; obtained by subtraction. Believed to include stocks.

(d) Including the nickel content of ferro-nickel and other smelter products.

Niobium (see Tantalum and Niobium)

Peat

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------------------|-----------------------|---------|---------|---------|---------|------------|--------|--------|--------|--------|
| | Thousand cubic metres | | | | | £ thousand | | | | |
| Peat | | | | | | | | | | |
| <i>Production</i> | 887 | 1 004 | 825 | 568 | 1 254 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Peat and agglomerated peat | 448 001 | 622 917 | 639 755 | 563 343 | 450 827 | 25 285 | 33 268 | 36 665 | 36 986 | 33 192 |
| <i>Exports</i> | | | | | | | | | | |
| Peat and agglomerated peat | 42 965 | 51 867 | 53 505 | 55 276 | 65 266 | 7 546 | 6 647 | 7 423 | 6 850 | 7 691 |

Perlite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|------------|------------|------------|------------|------------|-----------|------------|-----------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Perlite | | | | | | | | | | |
| <i>Imports</i> | 36 315 | (a) 58 456 | (a) 98 437 | (a) 66 298 | (a) 59 424 | 2 675 | (a) 5 357 | (a) 12 950 | (a) 8 508 | (a) 7 087 |
| <i>Exports</i> | 414 | (a) 1 059 | (a) 1 116 | (a) 1 228 | (a) 1 459 | 90 | (a) 822 | (a) 825 | (a) 845 | (a) 772 |

(a) Figures also include vermiculite and chlorites.

Petroleum (also see Primary fuels)

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Tonnes | | | | | £ thousand | | | | |
| Petroleum | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Crude petroleum | 62 820 000 | 58 047 000 | 48 571 000 | 42 052 000 | 38 456 000 | | | | | |
| Condensates and other (a) | 5 378 000 | 4 915 000 | 3 401 000 | 2 508 000 | 2 190 000 | | | | | |
| Refined petroleum products | 74 828 000 | 72 977 000 | 74 707 000 | 68 690 000 | 64 728 000 | | | | | |
| <i>Consumption (inland deliveries) of refined products</i> | | | | | | | | | | |
| Used as fuels- | | | | | | | | | | |
| Refineries | 4 304 000 | 4 378 000 | 4 586 000 | 4 255 000 | 3 768 000 | | | | | |
| Power Generation | 1 790 000 | 1 331 000 | 883 000 | 853 000 | 726 000 | | | | | |
| Elsewhere | 59 707 000 | 59 188 000 | 57 226 000 | 56 766 000 | 56 115 000 | | | | | |
| Not used as fuels | | | | | | | | | | |
| Total | 70 744 000 | 69 980 000 | 68 763 000 | 67 070 000 | 66 114 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Crude petroleum | 50 656 965 | 50 447 008 | 53 647 056 | 56 471 508 | 48 380 730 | 14 519 898 | 19 489 775 | 28 080 175 | 30 309 019 | 25 293 893 |
| Partly refined petroleum and refined products | 26 122 966 | 26 913 407 | 26 595 080 | 10 540 341 | 29 557 157 | 9 287 712 | 11 996 861 | 15 786 493 | 6 584 613 | 17 738 676 |
| <i>Exports</i> | | | | | | | | | | |
| Crude petroleum | 43 550 953 | 41 591 305 | 34 304 184 | 33 679 090 | 35 581 067 | 12 536 388 | 15 840 899 | 17 100 556 | 17 913 368 | 18 791 993 |
| Partly refined petroleum and refined products | 32 271 444 | 31 346 754 | 32 980 472 | 31 561 846 | 30 325 654 | 10 482 121 | 13 746 412 | 18 818 633 | 18 252 679 | 17 096 758 |

(a) Including ethane, propane and butane, in addition to condensates.

Natural gas

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|------------|------------|------------|------------|------------|------------|-----------|-----------|------------|------------|
| | Tonnes | | | | | £ thousand | | | | |
| Natural gas | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Methane | | | | | | | | | | |
| Colliery (a) | 62 000 | 71 000 | 58 000 | 52 000 | 52 000 | | | | | |
| Offshore and onshore (a) | 59 670 000 | 57 124 000 | 45 231 000 | 38 873 000 | 36 471 000 | | | | | |
| <i>Consumption (b)</i> | 86 591 000 | 93 529 000 | 77 707 000 | 73 470 000 | 72 690 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Liquefied natural gas (c) | 9 650 784 | 17 785 653 | 23 628 162 | 12 906 091 | 8 823 781 | | | | | |
| Natural gas in gaseous state (c) | 29 055 363 | 32 458 908 | 26 416 914 | 33 285 481 | 36 320 236 | | | | | |
| Total (c) | 38 706 148 | 50 244 561 | 50 045 076 | 46 191 572 | 45 144 017 | 4 775 000 | 7 120 000 | 9 630 000 | 10 035 000 | 10 985 000 |
| Other natural gas (d) | 533 498 | 568 388 | 546 281 | 481 319 | 590 607 | 164 980 | 255 576 | 308 636 | 281 460 | 334 237 |
| <i>Exports</i> | | | | | | | | | | |
| Liquefied natural gas and natural gas in gaseous state (c) | 11 160 939 | 14 461 473 | 15 239 637 | 11 325 170 | 8 562 644 | 1 420 000 | 2 505 000 | 3 555 000 | 2 885 000 | 2 510 000 |
| Other natural gas (d) | 2 798 642 | 2 584 168 | 2 332 695 | 2 325 469 | 2 041 603 | 865 965 | 1 181 234 | 1 277 730 | 1 312 781 | 1 106 861 |

(a) Oil equivalent: converted from original data at 397 therms = 1 tonne.

(b) Tonnes oil equivalent: excluding minor consumption for non-energy use.

(c) Tonnes of oil equivalent, converted from GWh using 85.985 tonnes of oil equivalent to 1 GWh. Source: Department of Energy and Climate Change.

(d) Includes propane, liquefied propane, butane, liquefied butane, ethylene, gaseous hydrocarbons.

Phosphorus

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---------|---------|---------|---------|---------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Phosphorus | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry</i> | | | | | | | | | | |
| Ferro-phosphorus | 860 | 840 | 820 | 820 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Phosphate rock | 5 600 | 9 873 | 15 885 | 15 314 | 3 186 | 865 | 1 020 | 1 602 | 1 959 | 1 388 |
| Amonium phosphates | 102 567 | 109 084 | 98 794 | 108 350 | 132 834 | 27 488 | 36 326 | 42 713 | 43 421 | 47 017 |
| Superphosphates | 126 402 | 219 783 | 166 269 | 124 791 | 142 280 | 21 044 | 51 763 | 57 417 | 39 431 | 35 455 |
| Other phosphatic fertilisers | 4 986 | 11 266 | 9 560 | 10 888 | 6 417 | 443 | 1 395 | 1 397 | 1 658 | 995 |
| Elemental phosphorus | 108 | 152 | 1 585 | 3 932 | 3 845 | 734 | 324 | 3 352 | 8 970 | 9 010 |
| Phosphoric acids | 77 210 | 90 655 | 87 356 | 83 186 | 67 209 | 51 989 | 45 147 | 51 810 | 44 563 | 41 433 |
| Calcium phosphates | 81 205 | 68 902 | 86 333 | 90 653 | 89 196 | 26 146 | 22 009 | 35 390 | 36 379 | 35 458 |
| Sodium phosphates and orthophosphates | 14 249 | 11 258 | 12 005 | 10 829 | 8 514 | 14 639 | 10 362 | 11 198 | 10 277 | 8 379 |
| Polyphosphates including ammonium and sodium | 27 030 | 28 450 | 28 853 | 24 832 | 28 914 | 21 591 | 21 318 | 26 133 | 22 760 | 25 657 |
| <i>Exports</i> | | | | | | | | | | |
| Phosphate rock | 514 | 615 | 573 | 60 | 52 | 353 | 634 | 359 | 79 | 259 |
| Ammonium phosphates | 179 | 170 | 317 | 197 | 410 | 392 | 363 | 497 | 502 | 643 |
| Superphosphates | 236 | 235 | 1 147 | 35 | 128 | 104 | 68 | 376 | 41 | 147 |
| Other phosphatic fertilisers | 17 | 42 | 139 | 76 | 260 | 27 | 40 | 38 | 155 | 588 |
| Elemental phosphorus | 0 | 16 | 4 | 13 | 22 | 12 | 55 | 52 | 146 | 74 |
| Phosphoric acids | 3 554 | 3 251 | 2 347 | 3 616 | 2 411 | 3 851 | 2 605 | 2 207 | 2 850 | 2 184 |
| Calcium phosphates | 3 506 | 2 459 | 3 716 | 3 171 | 4 131 | 3 017 | 1 981 | 2 704 | 2 517 | 2 796 |
| Sodium phosphates and orthophosphates | 1 326 | 1 389 | 694 | 1 147 | 1 157 | 2 021 | 2 147 | 1 472 | 1 653 | 1 822 |
| Polyphosphates including ammonium and sodium | 11 765 | 8 666 | 4 285 | 3 259 | 1 513 | 15 541 | 9 716 | 5 465 | 4 260 | 2 222 |

Platinum group metals

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------------------|--------|------|-------|-------|-------|------------|-----------|-----------|-----------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Platinum group metals | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Unwrought or partly worked- | | | | | | | | | | |
| Platinum | 30 | 59 | 46 | 54 | 40 | 568 901 | 1 866 543 | 1 567 856 | 1 631 810 | 1 154 606 |
| Palladium | 37 | 73 | 42 | 60 | 49 | 214 272 | 728 069 | 630 010 | 784 502 | 634 338 |
| Other platinum metals | 7 | 9 | 8 | 4 | 7 | 114 883 | 219 027 | 179 756 | 72 704 | 80 352 |
| Waste & scrap | 1 100 | 820 | 1 557 | 2 164 | 1 186 | 435 759 | 475 114 | 792 811 | 765 455 | 748 929 |
| <i>Exports</i> | | | | | | | | | | |
| Unwrought or partly worked- | | | | | | | | | | |
| Platinum | 43 | 24 | 38 | 55 | 43 | 954 655 | 787 176 | 1 272 690 | 1 731 992 | 1 286 837 |
| Palladium | 53 | 43 | 51 | 56 | 55 | 284 178 | 455 590 | 744 465 | 749 089 | 828 143 |
| Other platinum metals | 20 | 23 | 17 | 19 | 18 | 271 233 | 416 542 | 354 043 | 338 769 | 227 089 |
| Waste & scrap | 4 273 | 528 | 287 | 1 067 | 1 194 | 50 605 | 62 151 | 38 349 | 87 674 | 18 977 |

Potassium compounds

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Potassium compounds | | | | | | | | | | |
| <i>Indigenous production</i> | | | | | | | | | | |
| KCl product (a) | 700 000 | 700 000 | 770 000 | 900 000 | 900 000 | | | | | |
| <i>Apparent consumption</i> | | | | | | | | | | |
| Potassic fertilisers (K ₂ O content) (b) | 134 000 | 327 000 | 205 000 | 230 000 | 264 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Sulphate | 15 766 | 15 766 | 13 232 | 10 795 | 10 905 | 6 380 | 4 068 | 4 751 | 4 228 | 4 510 |
| Chloride | 80 842 | 270 096 | 153 141 | 161 388 | 149 121 | 33 207 | 71 094 | 49 041 | 46 531 | 40 967 |
| Other potassic fertilisers | 10 422 | 10 565 | 2 373 | 7 899 | 8 484 | 1 450 | 1 471 | 508 | 677 | 1 264 |
| <i>Exports</i> | | | | | | | | | | |
| Sulphate | 443 | 71 | 108 | 118 | 428 | 311 | 75 | 54 | 164 | 186 |
| Chloride (c) | 205 600 | 339 000 | 429 000 | 440 000 | 504 000 | 80 000 | 102 000 | 112 000 | 106 000 | 114 000 |
| Other potassic fertilisers | 228 | 420 | 5 283 | 15 732 | 29 558 | 261 | 513 | 1 473 | 2 460 | 3 827 |

(a) BGS Estimates.

(b) Home deliveries plus imports.

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

Precious and semi-precious stones

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------|------|------|------|------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Precious and semi-precious stones (excluding diamond) (a) | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Natural stones | 124 | 416 | 319 | 347 | 270 | 94 979 | 126 780 | 135 843 | 133 752 | 152 345 |
| Synthetic stones | 66 | 84 | 103 | 39 | 31 | 4 048 | 4 638 | 5 609 | 5 490 | 5 407 |
| Dust and powder | 1 | 4 | 5 | 3 | 4 | 352 | 382 | 572 | 605 | 943 |
| <i>Exports</i> | | | | | | | | | | |
| Natural stones | 5 | 11 | 9 | 41 | 21 | 80 485 | 106 276 | 137 162 | 136 544 | 146 823 |
| Synthetic stones | 1 | 24 | 20 | 26 | 21 | 10 250 | 6 182 | 3 033 | 3 116 | 3 842 |
| Dust and powder | 6 | 8 | 1 | 6 | 6 | 519 | 701 | 352 | 546 | 1 062 |

(a) Unworked, cut or otherwise worked, but not mounted, set or strung.

Primary fuels

United Kingdom production of primary fuels 1986–2013 (energy supplied basis)

Million tonnes of oil equivalent (a)

| Year | Coal | Petroleum | Natural gas (b) | Bioenergy & waste (c) | Nuclear electricity | Wind and hydro-electricity (d) | Total |
|------|------|-----------|-----------------|-----------------------|---------------------|--------------------------------|-------|
| 1986 | 66 | 139 | 42 | 0 | 15 | 0 | 262 |
| 1987 | 63 | 135 | 44 | 0 | 14 | 0 | 257 |
| 1988 | 63 | 126 | 42 | 1 | 17 | 0 | 249 |
| 1989 | 61 | 100 | 41 | 1 | 18 | 0 | 221 |
| 1990 | 56 | 100 | 46 | 1 | 16 | 0 | 219 |
| 1991 | 58 | 100 | 51 | 1 | 17 | 0 | 227 |
| 1992 | 52 | 104 | 52 | 1 | 19 | 1 | 227 |
| 1993 | 42 | 110 | 61 | 1 | 22 | 1 | 235 |
| 1994 | 30 | 139 | 65 | 2 | 21 | 0 | 257 |
| 1995 | 33 | 143 | 71 | 2 | 21 | 1 | 270 |
| 1996 | 31 | 142 | 84 | 2 | 22 | 0 | 282 |
| 1997 | 30 | 140 | 86 | 2 | 23 | 0 | 282 |
| 1998 | 26 | 145 | 90 | 2 | 23 | 1 | 287 |
| 1999 | 23 | 150 | 99 | 2 | 22 | 1 | 298 |
| 2000 | 20 | 138 | 108 | 2 | 20 | 1 | 289 |
| 2001 | 20 | 128 | 106 | 3 | 21 | 0 | 277 |
| 2002 | 19 | 127 | 104 | 3 | 20 | 1 | 273 |
| 2003 | 18 | 116 | 103 | 3 | 20 | 0 | 260 |
| 2004 | 16 | 105 | 96 | 3 | 18 | 1 | 238 |
| 2005 | 13 | 93 | 88 | 4 | 18 | 1 | 217 |
| 2006 | 11 | 84 | 80 | 4 | 17 | 1 | 197 |
| 2007 | 11 | 84 | 72 | 4 | 14 | 1 | 186 |
| 2008 | 11 | 79 | 70 | 4 | 12 | 1 | 177 |
| 2009 | 11 | 75 | 60 | 5 | 15 | 1 | 167 |
| 2010 | 11 | 69 | 57 | 5 | 14 | 1 | 158 |
| 2011 | 12 | 57 | 45 | 6 | 16 | 2 | 137 |
| 2012 | 11 | 49 | 39 | 6 | 15 | 3 | 122 |
| 2013 | 8 | 45 | 37 | 7 | 15 | 3 | 114 |

(a) Based on a standard 'tonne of oil equivalent' equal to 397 therms.

(b) Including colliery methane.

(c) Includes solid renewable sources (wood, straw and waste), a small amount of renewable primary heat sources (solar, geothermal, etc.), liquid biofuels, landfill gas and sewage gas

(d) Includes generation by solar PV. Excludes generation from pumped storage stations

Source: Department of Energy and Climate Change.

United Kingdom consumption of energy (primary fuel input) 1986–2013 (energy supplied basis)

Million tonnes of oil equivalent (a)

| Year | Coal | Petroleum | Natural gas (b) | Bioenergy & waste (c) | Nuclear electricity | Wind and hydro-electricity (d) | Net imports of electricity | Total |
|------|------|-----------|-----------------|-----------------------|---------------------|--------------------------------|----------------------------|-------|
| 1986 | 70 | 71 | 53 | 0 | 15 | 0 | 0 | 210 |
| 1987 | 72 | 69 | 54 | 0 | 14 | 0 | 1 | 211 |
| 1988 | 70 | 74 | 51 | 0 | 17 | 0 | 1 | 213 |
| 1989 | 67 | 75 | 49 | 1 | 18 | 0 | 1 | 211 |
| 1990 | 67 | 77 | 51 | 1 | 16 | 0 | 1 | 214 |
| 1991 | 67 | 77 | 55 | 1 | 17 | 0 | 1 | 220 |
| 1992 | 63 | 78 | 55 | 1 | 19 | 1 | 1 | 217 |
| 1993 | 55 | 78 | 63 | 1 | 22 | 1 | 1 | 221 |
| 1994 | 51 | 77 | 65 | 1 | 21 | 0 | 2 | 218 |
| 1995 | 50 | 76 | 71 | 2 | 21 | 0 | 1 | 221 |
| 1996 | 46 | 76 | 83 | 2 | 22 | 0 | 1 | 231 |
| 1997 | 41 | 74 | 84 | 2 | 22 | 0 | 1 | 225 |
| 1998 | 41 | 75 | 87 | 2 | 23 | 1 | 1 | 231 |
| 1999 | 36 | 76 | 93 | 2 | 22 | 1 | 1 | 231 |
| 2000 | 38 | 77 | 96 | 2 | 20 | 1 | 1 | 234 |
| 2001 | 41 | 76 | 96 | 3 | 21 | 0 | 1 | 237 |
| 2002 | 38 | 73 | 94 | 3 | 20 | 1 | 1 | 230 |
| 2003 | 40 | 73 | 95 | 3 | 20 | 0 | 0 | 231 |
| 2004 | 39 | 75 | 97 | 3 | 18 | 1 | 1 | 234 |
| 2005 | 40 | 78 | 94 | 4 | 18 | 1 | 1 | 236 |
| 2006 | 43 | 77 | 89 | 4 | 17 | 1 | 1 | 233 |
| 2007 | 41 | 76 | 90 | 5 | 14 | 1 | 0 | 227 |
| 2008 | 38 | 74 | 93 | 5 | 12 | 1 | 1 | 225 |
| 2009 | 31 | 71 | 86 | 6 | 15 | 1 | 0 | 211 |
| 2010 | 33 | 70 | 94 | 7 | 14 | 1 | 0 | 219 |
| 2011 | 32 | 68 | 78 | 7 | 16 | 2 | 1 | 203 |
| 2012 | 41 | 67 | 73 | 8 | 15 | 2 | 1 | 207 |
| 2013 | 39 | 66 | 73 | 9 | 15 | 3 | 1 | 206 |

(a) Based on a standard 'tonne of oil equivalent' equal to 397 therms.

(b) Including colliery methane.

(c) Includes solid renewable sources (wood, straw and waste), a small amount of renewable primary heat sources (solar, geothermal, etc.), liquid biofuels, landfill gas and sewage gas.

(d) Includes generation by solar PV. Excludes generation from pumped storage stations.

Source: Department of Energy and Climate Change.

Pumice

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|--------|-------|-------|-------|-------|------------|-------|------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Pumice | | | | | | | | | | |
| <i>Imports</i> | 1 668 | 2 062 | 2 067 | 1 255 | 3 406 | 1 130 | 1 183 | 810 | 512 | 954 |
| <i>Exports</i> | 307 | 704 | 136 | 87 | 138 | 534 | 997 | 448 | 129 | 176 |

Pyrite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------|--------|-------|-------|------|------|------------|-------|------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Pyrite | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Iron pyrites (incl.cupreous)- | | | | | | | | | | |
| Unroasted | 104 | 2 581 | 1 734 | 168 | 435 | 38 | 1 333 | 502 | 148 | 228 |
| Roasted | 232 | — | 598 | 150 | 193 | 67 | — | 138 | 25 | 30 |
| <i>Exports</i> | | | | | | | | | | |
| Iron pyrites (incl.cupreous)- | | | | | | | | | | |
| Unroasted | 21 | 2 | 40 | 27 | 26 | 62 | 5 | 53 | 258 | 17 |
| Roasted | 0 | 28 | 10 | 16 | 10 | 10 | 15 | 5 | 7 | 8 |

Quartz and quartzite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------------|--------|-------|-------|-------|-------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Quartz and quartzite | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Quartzite | 318 | 92 | 161 | 386 | 477 | 213 | 137 | 171 | 252 | 329 |
| Quartz | 1 989 | 4 015 | 6 108 | 7 739 | 9 751 | 2 372 | 4 013 | 6 075 | 8 119 | 8 515 |
| <i>Exports</i> | | | | | | | | | | |
| Quartzite | 25 | 34 | 0 | 2 | 1 | 14 | 20 | 9 | 5 | 17 |
| Quartz | 832 | 1 045 | 744 | 488 | 594 | 1 115 | 771 | 607 | 459 | 657 |

Radioactive and associated materials

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|------|------|------|------|------------|-----------|-----------|-----------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Radioactive and associated materials | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Natural and enriched uranium, plutonium, artificial radioactive isotopes, and their compounds | ... | ... | ... | ... | ... | 1 330 313 | 1 258 131 | 1 273 267 | 1 260 640 | 1 067 459 |
| <i>Exports</i> | | | | | | | | | | |
| Natural and enriched uranium, isotopes, and their compounds | ... | ... | ... | ... | ... | 1 808 150 | 2 113 690 | 1 692 614 | 1 752 845 | 1 487 558 |

Rare earths

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|--------|-------|-------|------|------|------------|-------|--------|-------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Rare earths | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Metals (a) | 99 | 119 | 79 | 65 | 128 | 907 | 2 231 | 2 300 | 3 574 | 4 372 |
| Cerium compounds | 612 | 1 119 | 1 713 | 485 | 633 | 1 932 | 4 694 | 24 746 | 6 061 | 4 503 |
| Other rare earth compounds (b) | 103 | 322 | 629 | 518 | 654 | 3 648 | 3 999 | 8 282 | 8 458 | 16 977 |
| Ferro-cerium & other pyrophoric alloys | 148 | 150 | 79 | 14 | 50 | 210 | 173 | 146 | 217 | 193 |
| <i>Exports</i> | | | | | | | | | | |
| Metals (a) | 54 | 46 | 272 | 54 | 65 | 503 | 1 158 | 1 702 | 1 188 | 1 145 |
| Cerium compounds | 105 | 182 | 149 | 273 | 48 | 1 692 | 2 349 | 2 409 | 3 925 | 1 110 |
| Other rare earth compounds (b) | 459 | 614 | 347 | 214 | 220 | 2 606 | 5 033 | 6 094 | 3 782 | 7 097 |
| Ferro-cerium & other pyrophoric alloys | 6 | 37 | 48 | 79 | 40 | 113 | 439 | 136 | 488 | 153 |

(a) Including yttrium and scandium.

(b) Including yttrium and scandium compounds.

Salt

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------|-----------|-----------|-----------|-----------|-----------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Salt | | | | | | | | | | |
| <i>Production</i> | 6 166 000 | 6 666 000 | 6 060 000 | 6 460 000 | 6 930 000 | | | | | |
| <i>Imports</i> | 410 434 | 1 288 253 | 1 814 865 | 418 028 | 738 670 | 30 365 | 64 295 | 89 009 | 48 319 | 54 395 |
| <i>Exports</i> | 449 303 | 450 246 | 489 633 | 396 155 | 497 670 | 31 509 | 35 354 | 41 551 | 38 516 | 42 109 |

Sand and gravel (see also Aggregates)

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------------|------------|------------|----------------|----------------|----------------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Sand and gravel | | | | | | | | | | |
| Production | | | | | | | | | | |
| Sand & gravel (a) | 66 226 000 | 61 700 000 | (b) 63 100 000 | (b) 56 600 000 | (b) 58 000 000 | | | | | |
| Consumption | | | | | | | | | | |
| Building sand (c) | 7 941 000 | 7 710 000 | 7 549 000 | 6 800 000 | 6 275 000 | | | | | |
| Concreting sand (c) | 21 570 000 | 20 947 000 | 22 591 000 | 19 697 000 | 20 361 000 | | | | | |
| Gravel and hoggin (c) | 26 199 000 | 19 052 000 | 24 875 000 | 23 547 000 | 25 289 000 | | | | | |
| Total (c) | 55 709 000 | 54 330 000 | 55 015 000 | 50 044 000 | 51 925 000 | | | | | |
| Imports | 444 725 | 343 749 | 357 607 | 519 089 | 493 102 | 12 212 | 10 874 | 12 455 | 16 436 | 15 483 |
| Exports (d) | 6 236 662 | 6 081 730 | 5 413 300 | 4 572 346 | 4 326 631 | 48 688 | 44 819 | 45 163 | 36 053 | 34 708 |

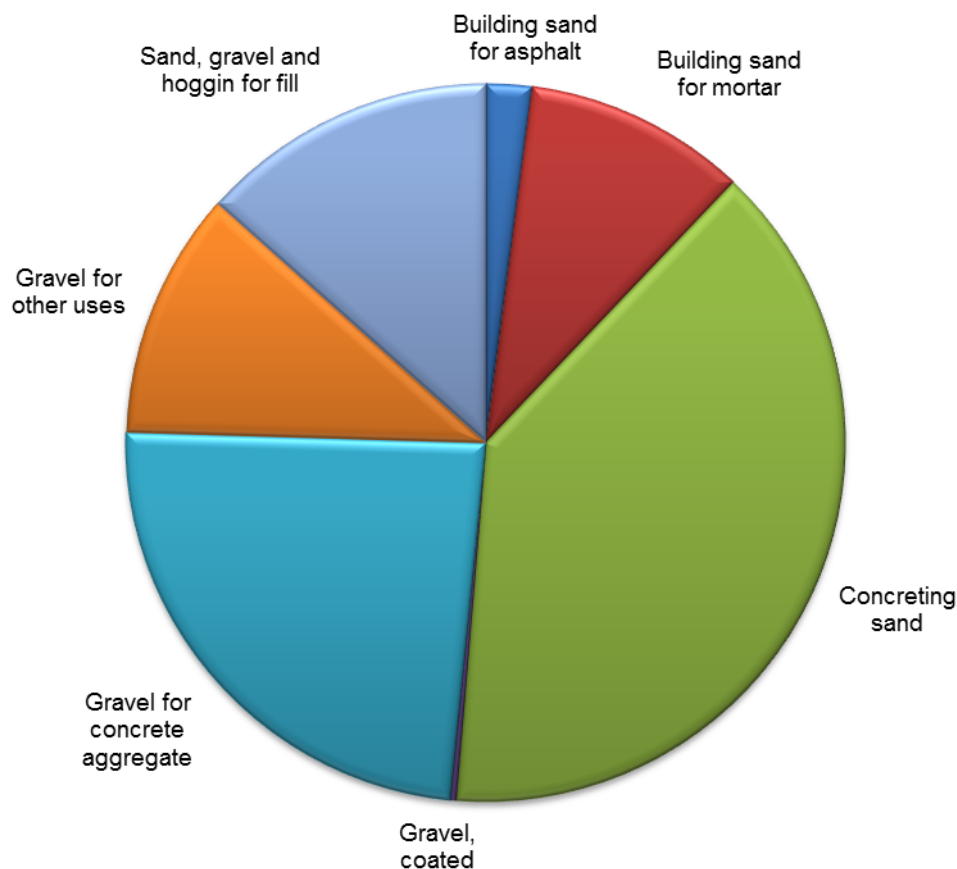
(a) Including production from marine dredging.

(b) Includes an estimate for Northern Ireland.

(c) Great Britain: production for the home market including landings of marine dredged materials at British ports.

(d) Principally marine dredged sand and gravel. Source: HM Revenue and Customs. However, the Crown Estate Commissioners give the following figures for marine dredged sand and gravel landed at foreign ports (tonnes): 2009: 5 660 522; 2010: 5 192 348; 2011: 6 098 020; 2012: 4 548 675; 2013: 4 089 687.

Great Britain production of sand and gravel by end-use 2013 (total production 51.9 million tonnes)



United Kingdom production of sand and gravel 1990–2013

Million tonnes

| Year | Land-based production | | | Marine-dredged | | | Total production United Kingdom | For beach replenishment (c) (e) |
|------|-----------------------|----------------------|-------|---------------------|----------------|-------|---------------------------------|---------------------------------|
| | Great Britain (a) | Northern Ireland (b) | Total | For home market (a) | For export (c) | Total | | |
| 1990 | 99.0 | 4.0 | 103.0 | 17.2 | 3.8 | 21.0 | 124.0 | 2.3 |
| 1991 | 85.5 | 3.8 | 89.3 | 12.4 | 4.6 | 17.0 | 106.3 | 1.9 |
| 1992 | 78.3 | 3.7 | 82.0 | 10.6 | 6.3 | 16.9 | 98.9 | 1.3 |
| 1993 | 79.4 | 4.3 | 83.7 | 10.1 | 6.2 | 16.3 | 100.0 | 0.8 |
| 1994 | 86.3 | 5.1 | 91.5 | 11.3 | 6.6 | 18.0 | 109.4 | 1.3 |
| 1995 | 78.0 | 5.3 | 83.3 | 11.6 | 6.8 | 18.4 | 101.7 | 5.2 |
| 1996 | 70.5 | 5.3 | 75.7 | 11.5 | 6.7 | 18.2 | 93.9 | 7.2 |
| 1997 | 74.4 | 5.1 | 79.5 | 12.0 | 6.9 | 18.9 | 98.4 | 4.9 |
| 1998 | 73.0 | 5.3 | 78.3 | 13.0 | 7.0 | 20.0 | 98.3 | 2.4 |
| 1999 | 74.8 | 5.5 | 80.3 | 13.4 | 7.2 | 20.7 | 101.0 | 2.8 |
| 2000 | 74.9 | 5.1 | 80.0 | 14.4 | 7.3 | 21.7 | 101.6 | 2.4 |
| 2001 | 74.6 | 6.2 | 80.8 | 13.6 | 7.0 | 20.6 | 101.4 | 1.6 |
| 2002 | 69.9 | 5.5 | 75.4 | 12.8 | 6.2 | 19.0 | 94.4 | 1.5 |
| 2003 | 68.1 | 4.9 | 73.0 | 12.1 | 6.1 | 18.2 | 91.2 | 2.1 |
| 2004 | 73.1 | 5.1 | 78.1 | 13.0 | 6.1 | 19.2 | 97.3 | 1.8 |
| 2005 | 69.4 | 5.8 | 75.2 | 13.0 | 6.5 | 19.5 | 94.7 | 1.5 |
| 2006 | 66.3 | 5.2 | 71.5 | 14.0 | 6.7 | 20.7 | 92.1 | 4.1 |
| 2007 | 64.7 | 8.1 | 72.8 | 13.8 | 6.6 | 20.4 | 93.2 | 2.1 |
| 2008 | 59.5 | 7.1 | 66.6 | 12.6 | 6.2 | 18.8 | 85.5 | 2.2 |
| 2009 | 46.1 | 4.9 | 51.0 | 9.6 | 5.7 | 15.3 | 66.2 | 4.5 |
| 2010 | 45.0 | 2.2 | 47.2 | 9.3 | 5.2 | 14.5 | 61.7 | 1.0 |
| 2011 | 43.8 | (d) 2.0 | 45.8 | 11.2 | 6.1 | 17.3 | 63.1 | 1.5 |
| 2012 | 39.8 | (d) 2.0 | 41.8 | 10.3 | 4.5 | 14.8 | 56.6 | 1.7 |
| 2013 | 41.4 | (d) 2.0 | 43.4 | 10.5 | 4.1 | 14.6 | 58.0 | 1.3 |

Sources:

- (a) Office for National Statistics.
- (b) Department of Enterprise, Trade & Investment.
- (c) Crown Estate Commissioners.
- (d) BGS estimate.

(e) These figures for marine-dredged sand and gravel used for beach replenishment and contract fill may be included in home market production, and have therefore not been included in the totals.

Great Britain production of sand and gravel by end-use and area of origin 2013

Thousand tonnes

| Area of origin | Sand | | Gravel | | | | Sand, gravel and hoggin for fill | Total |
|--------------------------|------------------|-------------------|-------------------|---------------------------------|--------------------|-------------------------------------|----------------------------------|-------------------|
| | Building sand | | Concreting sand | Coated with a bituminous binder | Concrete aggregate | Other screened & graded gravels (c) | | |
| | For asphalt | For use in mortar | | | | | | |
| North East | ... | ... | (a) ... | — | ... | ... | ... | (a) ... |
| Yorkshire and the Humber | (a) ... | ... | (a) ... | — | (a) ... | (a) ... | ... | (a) 3079 |
| East Midlands | ... | ... | ... | ... | ... | ... | ... | ... |
| East of England | ... | (a) ... | (a) ... | ... | (a) ... | (a) ... | (a) ... | (a) ... |
| South East | (a) ... | (a) ... | (a) ... | — | (a) ... | (a) ... | (a) ... | (a) ... |
| South West | (a) ... | (a) ... | (a) ... | ... | (a) ... | (a) ... | (a) ... | (a) ... |
| West Midlands | ... | ... | ... | ... | ... | ... | ... | ... |
| North West | ... | (a) ... | (a) ... | ... | ... | ... | ... | (a) ... |
| England | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 35 855 |
| Marine (b) | ... | ... | ... | ... | ... | ... | ... | 9 854 |
| Total | (a) 763 | (a) 4 458 | (a) 17 882 | 69 | (a) 11 227 | (a) 4 893 | (a) 6 417 | (a) 45 709 |
| Wales | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 673 |
| Marine (b) | ... | ... | ... | — | ... | ... | ... | 632 |
| Total | (a) ... | (a) 353 | (a) 656 | — | (a) 195 | (a) 70 | (a) ... | (a) 1 305 |
| Scotland | | | | | | | | |
| Total | ... | 394 | 1 823 | 85 | 974 | 815 | ... | 4 911 |
| Great Britain | | | | | | | | |
| Land-won | 1 037 | 4 592 | 15 981 | 154 | 7 943 | 5 086 | 6 645 | 41 438 |
| Marine (b) | 34 | 612 | 4 380 | — | 4 453 | 693 | 315 | 10 487 |
| Total | (a) 1 071 | (a) 5 204 | (a) 20 361 | 154 | (a) 12 396 | (a) 5 779 | (a) 6 960 | (a) 51 925 |

(a) Including marine-dredged material.

(b) Excluding marine-dredged landings at foreign ports (exports).

(c) This heading is now believed to include material previously classified as construction fill.

Source: Office for National Statistics.

Great Britain production of sand and gravel (a) by region 1981–2013

Thousand tonnes

| Year | North East (b) | North West (c) | Yorks. & the Humber | West Midlands | East Midlands | East of England (d) | South East (e) | South West | England | Wales | Scotland | Great Britain |
|------|-------------------|-------------------|------------------------|------------------|------------------|------------------------|-------------------|---------------|---------|-------|----------|------------------|
| 1981 | 2 798 | 3 043 | 4 668 | 8 109 | 9 217 | 6 532 | 35 864 | 5 843 | 76 074 | 3 492 | 9 886 | 89 453 |
| 1982 | 2 685 | 3 410 | 4 397 | 9 892 | 9 100 | 7 026 | 35 374 | 6 017 | 77 901 | 3 444 | 9 861 | 91 206 |
| 1983 | 3 087 | 3 730 | 4 690 | 9 847 | 10 470 | 7 581 | 39 035 | 8 017 | 86 457 | 4 033 | 10 309 | 100 799 |
| 1984 | 3 062 | 4 080 | 4 680 | 10 827 | 10 604 | 6 934 | 38 862 | 7 010 | 86 060 | 3 437 | 10 178 | 99 675 |
| 1985 | 2 717 | 3 823 | 4 537 | 10 728 | 10 609 | 7 540 | 39 930 | 6 981 | 86 865 | 3 420 | 11 320 | 101 605 |
| 1986 | 2 863 | 4 036 | 4 686 | 10 486 | 11 743 | 7 547 | 42 192 | 7 152 | 90 706 | 4 083 | 10 710 | 105 498 |
| 1987 | 2 932 | 4 006 | 4 780 | 11 095 | 13 348 | 8 306 | 43 563 | 8 495 | 96 525 | 4 793 | 10 311 | 111 629 |
| 1988 | 3 291 | 4 156 | 5 306 | 14 138 | 15 603 | 11 361 | 50 970 | 9 843 | 114 667 | 4 734 | 10 753 | 130 154 |
| 1989 | 3 802 | 4 709 | 5 722 | 14 020 | 15 892 | 10 145 | 51 208 | 9 142 | 114 640 | 4 588 | 12 004 | 131 232 |
| 1990 | 3 951 | 4 641 | 5 485 | 12 581 | 14 051 | 8 762 | 42 516 | 7 559 | 99 547 | 3 990 | 12 634 | 116 172 |
| 1991 | 3 017 | 4 243 | 4 960 | 10 698 | 12 683 | 7 288 | 33 318 | 6 045 | 82 253 | 3 439 | 12 226 | 97 918 |
| 1992 | 2 732 | 3 894 | 4 028 | 9 976 | 12 072 | 6 456 | 28 590 | 6 171 | 73 290 | 3 205 | 11 774 | 88 898 |
| 1993 | 2 856 | 4 028 | 4 539 | 10 345 | 12 364 | 5 962 | 28 600 | 6 138 | 74 833 | 3 278 | 11 359 | 89 470 |
| 1994 | 3 268 | 4 843 | 4 907 | 12 207 | 12 860 | 6 947 | 31 140 | 6 765 | 82 937 | 3 312 | 11 423 | 97 672 |
| 1995 | 3 086 | 4 529 | 4 333 | 10 722 | 11 556 | 6 550 | 28 046 | 6 684 | 75 506 | 3 260 | 10 889 | 89 656 |
| 1996 | 2 909 | 3 792 | 3 923 | 9 633 | 10 827 | 5 623 | 26 485 | 5 790 | 68 983 | 3 111 | 9 904 | 81 997 |
| 1997 | 3 109 | 4 294 | 4 041 | 9 966 | 10 899 | 5 899 | 29 154 | 6 054 | 73 416 | 3 050 | 9 900 | 86 366 |
| 1998 | 3 056 | 3 579 | 4 381 | 9 721 | 10 416 | 5 979 | 29 637 | 6 166 | 72 935 | 2 959 | 10 074 | 85 968 |
| 1999 | 3 117 | 3 801 | 4 872 | 9 901 | 10 216 | 6 395 | 30 821 | 6 016 | 75 139 | 3 039 | 10 031 | 88 209 |
| 2000 | 2 003 | 4 003 | 4 559 | 9 879 | 10 253 | 15 637 | 22 553 | 7 385 | 76 272 | 2 939 | 10 022 | 89 234 |
| 2001 | 1 566 | 3 402 | 5 171 | 9 894 | 9 716 | 15 694 | 22 004 | 7 126 | 74 572 | 2 886 | 10 753 | 88 210 |
| 2002 | 1 344 | 3 890 | 4 999 | 9 159 | 9 608 | 15 317 | 19 872 | 7 131 | 71 320 | 2 758 | 8 643 | 82 721 |
| 2003 | 1 254 | 5 220 | 4 770 | 9 590 | 9 842 | 14 381 | 17 915 | 6 413 | 69 385 | 2 733 | 8 103 | 80 221 |
| 2004 | 1 576 | 3 992 | 5 197 | 9 401 | 10 906 | 15 461 | 19 885 | 8 065 | 74 482 | 3 120 | 8 455 | 86 057 |
| 2005 | 1 575 | 3 674 | 5 248 | 9 250 | 9 235 | 15 561 | 19 362 | 6 934 | 70 838 | 2 746 | 8 808 | 82 392 |
| 2006 | 1 471 | 3 599 | 5 016 | 9 396 | 8 979 | 13 588 | 20 194 | 6 793 | 69 035 | 2 615 | 8 592 | 80 242 |
| 2007 | 1 411 | 3 592 | 5 098 | 10 025 | 8 485 | 13 283 | 18 442 | 6 801 | 67 137 | 2 339 | 9 025 | 78 501 |
| 2008 | 1 288 | 2 813 | 5 014 | 10 476 | 7 477 | 12 060 | 16 582 | 5 960 | 61 669 | 2 361 | 8 097 | 72 127 |
| 2009 | 1 110 | 2 121 | 3 235 | 6 397 | 5 798 | 9 980 | 13 211 | 4 677 | 46 529 | 1 668 | 7 512 | 55 709 |
| 2010 | 1 150 | 1 841 | 3 195 | 6 074 | 5 503 | 9 711 | 13 145 | 4 714 | 45 332 | 1 633 | 7 365 | 54 330 |
| 2011 | ... | ... | 3 441 | 6 418 | ... | ... | ... | ... | 47 039 | 1 610 | 6 366 | 55 015 |
| 2012 | ... | ... | 3 191 | ... | ... | ... | ... | ... | 42 909 | 1 364 | 5 772 | 50 044 |
| 2013 | ... | ... | 3 079 | ... | ... | ... | ... | ... | 45 709 | 1 305 | 4 911 | 51 925 |

(a) Including marine-dredged material.

(b) From 2000, excludes Cumbria.

(c) From 2000, includes Cumbria.

(d) From 2000, includes Essex, Hertfordshire and Bedfordshire.

(e) From 2000, excludes Essex, Hertfordshire and Bedfordshire.

Source: Office for National Statistics.

England production of sand and gravel by end-use 2000–2013

Thousand tonnes

| Year | Sand | | Gravel | | | | Sand, gravel and hoggin for fill | Total |
|--------------|---------------|-------------------|-----------------|---------------------------------|--------------------|-------------------------------------|----------------------------------|---------------|
| | Building sand | | Concreting sand | Coated with a bituminous binder | Concrete aggregate | Other screened & graded gravels (b) | | |
| | For asphalt | For use in mortar | | | | | | |
| 2000 | | | | | | | | |
| Land-won | ... | 9 189 | 22 769 | ... | 20 164 | 746 | ... | 63 196 |
| Marine (a) | ... | 345 | 4 206 | ... | 8 272 | — | ... | 13 076 |
| Total | 1 817 | 9 533 | 26 975 | 135 | 28 436 | 746 | 8 631 | 76 272 |
| 2001 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 62 177 |
| Marine (a) | ... | ... | ... | ... | ... | ... | ... | 12 395 |
| Total | 1 605 | 9 317 | 27 658 | 189 | 26 731 | 3 994 | 5 077 | 74 572 |
| 2002 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 59 633 |
| Marine (a) | ... | ... | ... | ... | ... | ... | ... | 11 687 |
| Total | 1 397 | 9 233 | 27 331 | ... | 25 422 | 3 580 | ... | 71 320 |
| 2003 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 58 484 |
| Marine (a) | ... | ... | ... | ... | ... | ... | ... | 10 901 |
| Total | ... | 9 810 | 27 452 | ... | 24 110 | 2 927 | 3 718 | 69 385 |
| 2004 | | | | | | | | |
| Land-won | 1 876 | ... | ... | 285 | ... | ... | ... | 62 735 |
| Marine (a) | — | ... | ... | — | ... | ... | ... | 11 747 |
| Total | 1 876 | 9 268 | 27 856 | 285 | 25 013 | 3 931 | 6 253 | 74 482 |
| 2005 | | | | | | | | |
| Land-won | 1 303 | ... | ... | 261 | ... | 4 970 | ... | 58 926 |
| Marine (a) | — | ... | ... | — | ... | 66 | ... | 11 912 |
| Total | 1 303 | 9 514 | 25 882 | 261 | 23 382 | 5 036 | 5 459 | 70 838 |
| 2006 | | | | | | | | |
| Land-won | 1 847 | ... | ... | 199 | ... | ... | ... | 56 148 |
| Marine (a) | — | ... | ... | — | ... | ... | ... | 12 887 |
| Total | 1 847 | 7 985 | 25 618 | 199 | 23 328 | 4 565 | 5 492 | 69 035 |
| 2007 | | | | | | | | |
| Land-won | ... | ... | ... | 226 | ... | ... | ... | 54 512 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 12 625 |
| Total | 1 864 | 8 128 | 25 891 | 226 | 21 247 | 4 493 | 5 288 | 67 137 |
| 2008 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 50 134 |
| Marine (a) | ... | ... | ... | ... | ... | ... | ... | 11 535 |
| Total | 1 622 | 6 985 | 23 048 | 66 | 17 071 | 3 317 | 9 560 | 61 669 |
| 2009 | | | | | | | | |
| Land-won | ... | ... | ... | 542 | ... | ... | ... | 37 810 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 8 719 |
| Total | 1 020 | 5 085 | 18 382 | 542 | 13 111 | 3 908 | 4 481 | 46 529 |
| 2010 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 36 723 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 8 609 |
| Total | ... | 4 929 | 17 758 | ... | 12 169 | 3 439 | 5 558 | 45 332 |
| 2011 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 36 589 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 10 450 |
| Total | ... | 5 197 | 19 635 | ... | 12 730 | 3 480 | 4 676 | 47 039 |
| 2012 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | ... | ... | 33 229 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 9 680 |
| Total | ... | 4 527 | 16 860 | ... | 11 421 | 4 480 | 4 406 | 42 909 |
| 2013 | | | | | | | | |
| Land-won | ... | ... | ... | 69 | ... | ... | ... | 35 855 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 9 854 |
| Total | 763 | 4 458 | 17 882 | 69 | 11 227 | 4 893 | 6 417 | 45 709 |

(a) Excluding marine-dredged landings at foreign ports (exports).

Source: Office for National Statistics.

(b) From 2001, this heading is believed to include material previously classified as construction fill.

Wales production of sand and gravel by end-use 2000–2013

Thousand tonnes

| Year | Sand | | Gravel | | | | Sand, gravel and hoggin for fill | Total |
|--------------|---------------|-------------------|-----------------|---------------------------------|--------------------|-------------------------------------|----------------------------------|--------------|
| | Building sand | | Concreting sand | Coated with a bituminous binder | Concrete aggregate | Other screened & graded gravels (b) | | |
| | For asphalt | For use in mortar | | | | | | |
| 2000 | | | | | | | | |
| Land-won | ... | 331 | 502 | — | 404 | ... | 386 | 1 658 |
| Marine (a) | 4 | 620 | 489 | — | 164 | — | 3 | 1 280 |
| Total | ... | 951 | 991 | — | 568 | ... | 389 | 2 939 |
| 2001 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | 116 | ... | 1 670 |
| Marine (a) | ... | ... | ... | — | ... | — | ... | 1 216 |
| Total | 16 | 1 120 | 923 | — | 524 | 116 | 187 | 2 886 |
| 2002 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 1 613 |
| Marine (a) | ... | ... | ... | — | ... | — | ... | 1 145 |
| Total | ... | 862 | 1 140 | — | 487 | 134 | ... | 2 758 |
| 2003 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 1 503 |
| Marine (a) | ... | ... | ... | — | ... | — | ... | 1 230 |
| Total | ... | 987 | 1 073 | — | 430 | ... | 107 | 2 733 |
| 2004 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | 142 | ... | 1 871 |
| Marine (a) | ... | ... | ... | — | ... | — | ... | 1 249 |
| Total | 16 | 688 | 1 364 | — | 526 | 142 | 384 | 3 120 |
| 2005 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | 262 | ... | 1 634 |
| Marine (a) | ... | ... | ... | ... | ... | — | ... | 1 112 |
| Total | ... | 974 | 824 | ... | 450 | 262 | 206 | 2 746 |
| 2006 | | | | | | | | |
| Land-won | ... | ... | ... | ... | ... | 206 | ... | 1 528 |
| Marine (a) | — | ... | ... | ... | ... | — | ... | 1 087 |
| Total | ... | 954 | 978 | ... | 280 | 206 | 179 | 2 615 |
| 2007 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | 178 | ... | 1 187 |
| Marine (a) | — | ... | ... | — | ... | — | ... | 1 152 |
| Total | ... | 749 | 902 | — | 443 | 178 | ... | 2 339 |
| 2008 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 1 275 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 1 086 |
| Total | 49 | 660 | 1 032 | — | 382 | 95 | 143 | 2 361 |
| 2009 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 795 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 873 |
| Total | 148 | 458 | 657 | — | 238 | 94 | 74 | 1 668 |
| 2010 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 901 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 732 |
| Total | ... | 505 | 658 | — | 244 | 128 | ... | 1 633 |
| 2011 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 870 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 740 |
| Total | ... | 382 | 719 | — | 377 | ... | 70 | 1 610 |
| 2012 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 751 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 613 |
| Total | ... | 388 | 703 | — | 162 | 69 | ... | 1 364 |
| 2013 | | | | | | | | |
| Land-won | ... | ... | ... | — | ... | ... | ... | 673 |
| Marine (a) | ... | ... | ... | — | ... | ... | ... | 632 |
| Total | ... | 353 | 656 | — | 195 | 70 | ... | 1 305 |

(a) Excluding marine-dredged landings at foreign ports (exports).

Source: Office for National Statistics.

(b) From 2001, this heading is believed to include material previously classified as construction fill.

Scotland (land-won) production of sand and gravel by end-use 1999–2012

Thousand tonnes

| Year | Sand | | Gravel | | | | Sand, gravel and hoggins for fill | Total |
|------|---------------|-------------------|-----------------|---------------------------------|--------------------|-------------------------------------|-----------------------------------|--------|
| | Building sand | | Concreting sand | Coated with a bituminous binder | Concrete aggregate | Other screened & graded gravels (a) | | |
| | For asphalt | For use in mortar | | | | | | |
| 2000 | ... | 1 274 | 3 202 | 67 | 1 749 | ... | 3 031 | 10 022 |
| 2001 | 374 | 1 079 | 3 075 | 72 | 2 715 | 1 056 | 2 382 | 10 753 |
| 2002 | ... | 1 096 | 2 753 | ... | 1 790 | 1 021 | 1 581 | 8 643 |
| 2003 | 359 | 1 053 | 2 886 | ... | 1 724 | ... | 1 132 | 8 103 |
| 2004 | 181 | 732 | 3 309 | 79 | 1 994 | 740 | 1 421 | 8 455 |
| 2005 | ... | 1 070 | 3 142 | ... | 2 182 | 851 | 986 | 8 808 |
| 2006 | ... | 968 | 3 219 | ... | 1 745 | 877 | 1 197 | 8 592 |
| 2007 | ... | 1 000 | 3 409 | 80 | 1 931 | 1 058 | ... | 9 025 |
| 2008 | 397 | 882 | 2 805 | 88 | 1 334 | 1 189 | 1 403 | 8 097 |
| 2009 | 477 | 753 | 2 530 | 84 | 1 103 | 1 099 | 1 466 | 7 512 |
| 2010 | 533 | 675 | 2 531 | ... | 1 081 | 1 479 | ... | 7 365 |
| 2011 | 484 | 561 | 2 237 | ... | 996 | ... | 913 | 6 366 |
| 2012 | ... | 559 | 2 135 | ... | 1 009 | 931 | ... | 5 772 |
| 2013 | ... | 394 | 1 823 | 85 | 974 | 815 | ... | 4 911 |

(a) From 2001, this heading is believed to include material previously classified as construction fill.

Source: Office for National Statistics.

Sandstone

United Kingdom summary 2008–2012

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|------------|------------|----------------|----------------|----------------|
| | Tonnes | | | | |
| Sandstone – see Building and dimension stone | | | | | |
| <i>Production</i> | 12 335 000 | 11 556 000 | (s) 12 300 000 | (s) 11 500 000 | (s) 11 500 000 |

(a) Includes an estimate for Northern Ireland.

England production of sandstone by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | | | | Total |
|------|----------------|-------------|------------------------------|----------|----------------------------|-----------------|--------------------|-------------------------|---------------------------|-----------------------|-----------------|------------|-------|
| | Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | Railway ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & gabion | Industrial uses | Other uses | |
| 2001 | 253 | ... | 1 375 | 987 | ... | 110 | 1 061 | ... | 2 474 | ... | ... | ... | 7 201 |
| 2002 | 269 | ... | 1 442 | 771 | ... | 121 | 760 | ... | 3 153 | ... | ... | ... | 7 006 |
| 2003 | ... | 511 | 1 644 | 854 | ... | 80 | 891 | ... | 2 713 | ... | ... | ... | 7 005 |
| 2004 | 398 | 377 | 1 490 | 813 | 203 | 70 | 728 | 1 032 | 1 904 | 25 | 36 | ... | 7 076 |
| 2005 | 424 | 558 | 1 345 | 971 | 184 | 55 | 304 | 967 | 2 028 | 36 | 39 | ... | 6 910 |
| 2006 | 396 | ... | 1 046 | 799 | 187 | ... | 252 | 1 310 | 2 499 | ... | 30 | ... | 7 041 |
| 2007 | 365 | 348 | ... | 824 | ... | ... | ... | 878 | ... | ... | ... | ... | 6 918 |
| 2008 | 339 | ... | 1 157 | 646 | ... | 157 | 607 | 1 007 | 1 453 | 49 | ... | ... | 5 854 |
| 2009 | 368 | 370 | ... | 226 | ... | — | 837 | 220 | 675 | 55 | ... | ... | 3 980 |
| 2010 | 512 | ... | ... | 600 | ... | ... | 532 | 248 | 695 | ... | ... | ... | 4 176 |
| 2011 | 304 | 459 | 1 050 | 774 | ... | ... | 335 | 445 | 806 | ... | ... | ... | 4 454 |
| 2012 | 337 | 483 | ... | 527 | ... | — | 676 | 299 | 945 | 30 | ... | ... | 4 451 |
| 2013 | 244 | 265 | ... | ... | ... | ... | 169 | 1 271 | 905 | 28 | ... | ... | 4 318 |

Source: Office for National Statistics.

Wales production of sandstone by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | | | | Total |
|------|----------------|-------------|------------------------------|----------|----------------------------|-----------------|--------------------|-------------------------|---------------------------|-----------------------|-----------------|------------|-------|
| | Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | Railway ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & gabion | Industrial uses | Other uses | |
| 2001 | ... | ... | 913 | 439 | ... | — | 180 | ... | 1 132 | ... | ... | ... | 3 094 |
| 2002 | 10 | ... | ... | 416 | ... | — | 426 | ... | 1 023 | ... | ... | — | 3 136 |
| 2003 | ... | 433 | 792 | 430 | ... | ... | 641 | ... | 871 | ... | ... | — | 3 179 |
| 2004 | ... | 529 | ... | 246 | 173 | 1 | 399 | 480 | 817 | ... | — | ... | 3 241 |
| 2005 | ... | ... | 646 | 218 | 206 | — | 171 | 524 | 660 | 22 | — | ... | 3 233 |
| 2006 | 14 | ... | ... | 234 | 185 | — | ... | 593 | 941 | 11 | — | ... | 3 415 |
| 2007 | 24 | ... | 1 262 | 281 | 99 | — | 225 | 427 | ... | 16 | ... | ... | 3 558 |
| 2008 | 18 | ... | ... | 155 | ... | — | ... | 112 | 430 | ... | ... | ... | 2 323 |
| 2009 | ... | ... | 1 289 | 131 | ... | — | 139 | 63 | 397 | ... | ... | ... | 2 667 |
| 2010 | ... | 446 | 1 244 | 108 | 128 | — | 126 | 171 | 369 | ... | ... | ... | 2 807 |
| 2011 | 10 | ... | ... | 128 | ... | — | ... | 245 | 360 | ... | ... | ... | 3 114 |
| 2012 | 14 | 326 | 1 399 | 107 | ... | — | 146 | 168 | 392 | ... | ... | ... | 2 701 |
| 2013 | ... | 282 | 1 300 | ... | ... | — | ... | 357 | 426 | 6 | ... | ... | 2 774 |

Source: Office for National Statistics.

Scotland production of sandstone by end-use 2001–2013

Thousand tonnes

| Year | Roadstone | | | | | | | | | | | | Total |
|------|----------------|-------------|------------------------------|----------|----------------------------|-----------------|--------------------|-------------------------|---------------------------|-----------------------|-----------------|------------|-------|
| | Building stone | Sold coated | For coating at remote plants | Uncoated | Surface dressing chippings | Railway ballast | Concrete aggregate | Other screened & graded | Other constructional uses | Armour-stone & gabion | Industrial uses | Other uses | |
| 2001 | 18 | ... | 136 | 305 | ... | ... | 184 | ... | 685 | ... | ... | ... | 1 603 |
| 2002 | ... | 108 | ... | 502 | ... | 69 | 297 | ... | 489 | ... | ... | — | 1 645 |
| 2003 | 63 | 103 | 104 | 457 | ... | 65 | 245 | ... | 442 | ... | ... | 1 | 1 481 |
| 2004 | 28 | 141 | ... | 145 | 116 | ... | 87 | 272 | 643 | ... | 1 | ... | 1 613 |
| 2005 | 33 | ... | 37 | 263 | ... | ... | 76 | 170 | 431 | 21 | 1 | ... | 1 466 |
| 2006 | 25 | 141 | ... | 302 | 143 | ... | ... | 134 | 356 | ... | ... | ... | 1 372 |
| 2007 | 30 | ... | ... | 244 | ... | ... | ... | 148 | ... | ... | 1 | ... | 1 502 |
| 2008 | 143 | ... | ... | 308 | ... | ... | ... | 204 | 310 | ... | ... | ... | 1 381 |
| 2009 | ... | ... | ... | 771 | 35 | — | 140 | 144 | 342 | ... | ... | ... | 1 895 |
| 2010 | ... | ... | ... | 558 | ... | 1 | 201 | 213 | 496 | ... | — | ... | 1 806 |
| 2011 | 19 | ... | ... | 512 | 27 | 1 | ... | 221 | 646 | 117 | — | ... | 1 910 |
| 2012 | 14 | 66 | ... | 538 | 43 | — | 151 | 234 | 394 | ... | — | ... | 1 564 |
| 2013 | ... | 97 | ... | 608 | ... | — | ... | 255 | 299 | 22 | — | ... | 1 591 |

Source: Office for National Statistics.

Selenium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------|--------|-------|------|------|------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Selenium | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Elemental | 273 | 1 817 | 471 | 462 | 497 | 7 414 | 17 505 | 28 027 | 22 283 | 17 043 |
| <i>Exports</i> | | | | | | | | | | |
| Elemental | 96 | 297 | 212 | 222 | 265 | 3 230 | 9 657 | 17 276 | 14 705 | 11 379 |

Sepiolite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|--------|------|------|------|------|------------|------|------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Sepiolite | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| | 70 651 | ... | ... | ... | ... | 13 367 | ... | ... | ... | ... |

Silica sand

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------------|-----------|-----------|-----------|-----------|-----------|------------|--------|--------|--------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Silica sand | | | | | | | | | | |
| <i>Production (a)</i> | | | | | | | | | | |
| | 3 755 000 | 4 070 000 | 3 969 000 | 3 888 000 | 3 961 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| | 79 629 | 148 619 | 310 715 | 137 761 | 100 057 | 8 076 | 10 603 | 17 191 | 10 188 | 9 854 |
| <i>Exports</i> | | | | | | | | | | |
| | 115 746 | 100 773 | 64 924 | 88 376 | 87 289 | 4 794 | 4 325 | 4 069 | 4 013 | 3 569 |

(a) Silica sands for glass making, moulding and other non-constructional uses.

Great Britain production of silica sand by end-use and area of origin 2013

Thousand tonnes

| Area of origin | Foundry uses | Glass manufacture | Other industrial uses | Agricultural, horticultural & leisure uses | Total |
|------------------------------|--------------|-------------------|-----------------------|--|--------------|
| North East (a) | — | — | — | 1 | 1 |
| Yorkshire and the Humber (b) | ... | ... | ... | ... | ... |
| East Midlands (c) | ... | — | ... | ... | ... |
| West Midlands (d) | 2 | — | ... | ... | ... |
| East of England (e) | ... | ... | ... | ... | ... |
| South East (f) | — | ... | ... | ... | ... |
| South West (g) | — | — | ... | ... | ... |
| North West (h) | 300 | ... | ... | ... | ... |
| England | ... | ... | ... | 1 300 | 3 620 |
| Wales (i) | — | — | — | ... | ... |
| Scotland (j) | — | ... | ... | ... | ... |
| Great Britain | ... | ... | 837 | 1 448 | 3 961 |

(a) From Northumberland.

(b) From North Yorkshire, and Humberside.

(c) From Nottinghamshire and Lincolnshire.

(d) From Staffordshire, West Midlands, Herefordshire and Worcestershire.

(e) From Norfolk, Suffolk, Essex, and Bedfordshire.

(f) From Surrey and Kent.

(g) From Cornwall, Dorset and Devon.

(h) From Cumbria and Cheshire.

(i) From Clwyd and Dyfed.

(j) From West Central Scotland, East Central Scotland and Tayside & Fife.

Source: Office for National Statistics.

Silicon

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|--------|--------|--------|--------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Silicon | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry</i> | | | | | | | | | | |
| Ferro-silicon | 27 110 | 26 250 | 25 600 | 25 770 | ... | | | | | |
| Calcium silicide | 60 | 60 | 60 | 60 | ... | | | | | |
| Ferro-silico-zirconium | 50 | 50 | 50 | 50 | ... | | | | | |
| Ferro-silico-manganese | 17 030 | 16 490 | 16 080 | 16 180 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Elemental silicon- | | | | | | | | | | |
| Containing not less than | | | | | | | | | | |
| 99.99% silicon | 2 673 | 3 299 | 3 577 | 2 612 | 12 959 | 105 259 | 102 641 | 103 355 | 65 985 | 68 833 |
| Other | 65 436 | 96 352 | 97 428 | 94 842 | 84 565 | 98 160 | 156 601 | 189 956 | 171 318 | 135 883 |
| Ferro-silico-chrome | 13 | 9 | 362 | 723 | 163 | 30 | 10 | 409 | 710 | 268 |
| Ferro-silico-magnesium | 512 | 931 | 1 328 | 1 360 | 1 211 | 536 | 1 006 | 1 583 | 1 294 | 1 173 |
| Ferro-silico-manganese | 37 114 | 49 280 | 51 928 | 36 661 | 43 823 | 24 468 | 42 091 | 41 491 | 27 725 | 30 871 |
| Ferro-silicon | 31 091 | 43 703 | 45 918 | 39 351 | 42 966 | 26 667 | 41 390 | 47 339 | 39 004 | 42 016 |
| Doped silicon | 296 | 434 | 700 | 567 | 484 | 31 544 | 49 386 | 57 901 | 50 608 | 51 971 |
| <i>Exports</i> | | | | | | | | | | |
| Elemental silicon- | | | | | | | | | | |
| Containing not less than | | | | | | | | | | |
| 99.99% silicon | 739 | 1 135 | 1 274 | 1 689 | 3 526 | 52 704 | 56 225 | 57 962 | 25 411 | 48 985 |
| Other | 7 014 | 1 767 | 2 389 | 1 338 | 1 453 | 13 343 | 4 585 | 4 973 | 2 723 | 2 814 |
| Ferro-silico-chrome | 50 | 22 | 364 | 72 | 168 | 244 | 43 | 268 | 155 | 386 |
| Ferro-silico-magnesium | 458 | 366 | 338 | 327 | 240 | 709 | 457 | 550 | 485 | 384 |
| Ferro-silico-manganese | 65 | 52 | 132 | 7 503 | 3 626 | 59 | 55 | 75 | 1 320 | 919 |
| Ferro-silicon | 3 338 | 2 958 | 6 594 | 4 659 | 5 109 | 4 154 | 5 530 | 9 006 | 7 987 | 8 654 |
| Doped silicon | 331 | 675 | 481 | 857 | 616 | 57 775 | 71 505 | 72 414 | 69 328 | 84 870 |

Sillimanite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------------|--------|--------|--------|--------|--------|------------|--------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Sillimanite | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Sillimanite minerals (a) | 7 763 | 7 419 | 12 485 | 10 562 | 6 058 | 2 064 | 2 076 | 3 801 | 3 090 | 1 918 |
| Chamotte earth (b) | 28 501 | 52 384 | 19 473 | 19 228 | 26 579 | 5 231 | 10 670 | 3 633 | 3 367 | 4 912 |
| Mullite | 5 255 | 8 276 | 3 491 | 4 588 | 3 746 | 2 770 | 3 538 | 2 774 | 2 603 | 1 872 |
| <i>Exports</i> | | | | | | | | | | |
| Sillimanite minerals (a) | 157 | 274 | 558 | 193 | 26 | 49 | 77 | 130 | 47 | 20 |
| Chamotte earth (b) | 572 | 1 146 | 900 | 1 652 | 4 272 | 168 | 273 | 279 | 486 | 1 185 |
| Mullite | 1 257 | 1 104 | 1 204 | 948 | 1 432 | 1 567 | 1 280 | 1 416 | 1 161 | 1 563 |

(a) Andalusite, kyanite and sillimanite.

(b) Calcined refractory clay including flint clay.

Silver

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------------------------|--------|-------|--------|--------|--------|------------|-----------|-----------|-----------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Silver | | | | | | | | | | |
| Production (a) | 1 | 1 | 1 | 0 | 0 | | | | | |
| Imports | | | | | | | | | | |
| Ores & concentrates | 1 | 10 | 1 | 6 | 72 | 299 | 687 | 3 | 693 | 189 |
| Waste & scrap | 3 311 | 4 137 | 13 714 | 5 946 | 6 669 | 301 611 | 611 252 | 679 084 | 460 121 | 484 233 |
| Unwrought | 6 374 | 2 977 | 3 355 | 8 108 | 5 537 | 1 931 139 | 1 254 899 | 2 484 852 | 5 226 872 | 2 928 645 |
| Partly worked | 276 | 301 | 331 | 418 | 562 | 55 069 | 89 044 | 159 143 | 233 903 | 213 956 |
| Silver in unrefined lead bullion (b) | 260 | 300 | 260 | 340 | 290 | | | | | |
| Exports | | | | | | | | | | |
| Ores & concentrates | 1 | 2 | 0 | — | 2 | 25 | 22 | 77 | — | 1 051 |
| Waste & scrap | 8 412 | 5 160 | 11 650 | 19 738 | 17 177 | 56 820 | 132 182 | 309 795 | 367 758 | 439 430 |
| Unwrought | 905 | 2 467 | 3 019 | 1 215 | 3 894 | 266 091 | 995 488 | 2 049 742 | 778 189 | 1 820 206 |
| Partly worked | 39 | 113 | 918 | 249 | 326 | 13 865 | 41 897 | 554 052 | 98 654 | 93 183 |

(a) Small quantities have been produced in Northern Ireland as follows:
2009: 514 kilograms; 2010: 506 kilograms; 2011: 531 kilograms;
2012: 230 kilograms; 2013: 82 kilograms.

(b) BGS estimates of silver content of unrefined lead bullion imported.

Slate

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---------|---------|-------------|---------|---------|------------|--------|------------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Slate | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Architectural & cladding uses, roofing & damp proofing courses | 42 000 | ... | 26 000 | 24 000 | 25 000 | | | | | |
| Powder and granules | 14 000 | ... | 15 000 | 26 000 | 30 000 | | | | | |
| Crude blocks | 29 000 | 35 000 | 22 000 | 32 000 | 32 000 | | | | | |
| Fill and other uses | 597 000 | 615 000 | 700 000 | 618 000 | 798 000 | | | | | |
| Total | 683 000 | 695 000 | 763 000 | 701 000 | 885 000 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Unworked (a) | 21 718 | 25 080 | 23 063 | 21 968 | 23 949 | 6 879 | 6 604 | 4 687 | 5 153 | 6 211 |
| Worked- | | | | | | | | | | |
| Roofing and wall tiles | 140 691 | 163 494 | (c) 187 125 | 126 032 | 158 221 | 57 688 | 63 112 | (c) 72 290 | 48 229 | 62 445 |
| Other worked slate (b) | 30 015 | 29 668 | ... | 56 443 | 29 492 | 8 074 | 8 466 | ... | 22 639 | 12 180 |
| <i>Exports</i> | | | | | | | | | | |
| Unworked (a) | 225 232 | 46 745 | 62 901 | 115 112 | 22 273 | 1 837 | 920 | 922 | 852 | 1 652 |
| Worked- | | | | | | | | | | |
| Roofing and wall tiles | 13 010 | 10 319 | (c) 14 370 | 5 672 | 7 577 | 8 201 | 6 349 | (c) 7 414 | 4 652 | 5 913 |
| Other worked slate (b) | 11 165 | 11 511 | ... | 7 329 | 10 502 | 1 122 | 1 734 | ... | 1 805 | 2 711 |

(a) Including roughly split or squared.

(b) Including articles of slate or agglomerated slate.

(c) All forms of worked slate.

Strontium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|--------|------|------|------|------|------------|------|------|------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Strontium | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Carbonate | 7 | 70 | 32 | 288 | 203 | 13 | 45 | 30 | 257 | 194 |
| <i>Exports</i> | | | | | | | | | | |
| Carbonate | 2 | 5 | 2 | 4 | 45 | 95 | 66 | 71 | 38 | 63 |

Sulphur

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---------|---------|---------|---------|---------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Sulphur | | | | | | | | | | |
| <i>Supply</i> | | | | | | | | | | |
| Produced (a) | 145 000 | 160 000 | 167 000 | 162 000 | 168 000 | | | | | |
| Imported (b) | 6 285 | 10 475 | 10 981 | 9 795 | 9 859 | | | | | |
| Sulphur, zinc concentrates (imported) (c) | 25 | 195 | 124 | 52 | 12 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Sulphur- | | | | | | | | | | |
| Crude | 74 | 274 | 590 | 1 125 | 1 374 | 60 | 435 | 755 | 743 | 624 |
| Refined | 6 211 | 10 201 | 10 391 | 8 670 | 8 485 | 2 900 | 4 942 | 6 110 | 5 471 | 5 461 |
| Sublimed, colloidal etc. | 473 | 767 | 691 | 698 | 946 | 805 | 946 | 875 | 666 | 1 104 |
| <i>Exports</i> | | | | | | | | | | |
| Sulphur- | | | | | | | | | | |
| Crude | 2 545 | 41 491 | 101 964 | 37 239 | 27 018 | 201 | 2 299 | 8 820 | 3 936 | 1 724 |
| Refined | 38 723 | 1 198 | 3 686 | 14 609 | 7 560 | 3 101 | 2 007 | 1 544 | 5 042 | 4 046 |
| Sublimed, colloidal etc. | 1 902 | 1 349 | 2 151 | 21 385 | 7 359 | 976 | 1 096 | 822 | 1 854 | 700 |

(a) Produced from oil refineries.
(b) Including waste and residues.

(c) Sulphur content calculated at 29%.

Talc

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Talc | | | | | | | | | | |
| <i>Production</i> | 2 861 | 2 633 | 3 708 | 3 667 | 2 947 | | | | | |
| <i>Imports</i> | 39 520 | 50 309 | 53 339 | 57 751 | 53 099 | 12 640 | 15 312 | 15 952 | 17 804 | 18 387 |
| <i>Exports</i> | 2 402 | 3 074 | 3 171 | 5 026 | 4 681 | 1 058 | 1 497 | 1 405 | 1 978 | 1 684 |

Tantalum and Niobium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|------|------|------|------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Tantalum and Niobium | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry</i> | | | | | | | | | | |
| Niobium (a) | 190 | 270 | 350 | 330 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ferro-niobium | 686 | 859 | 395 | 250 | 987 | 9 955 | 13 712 | 7 288 | 5 492 | 16 015 |
| Tantalum | 145 | 284 | 176 | 144 | 203 | 11 647 | 10 642 | 21 418 | 28 395 | 20 168 |
| Niobium (b) | 98 | 104 | 176 | 130 | 62 | 9 342 | 9 331 | 12 560 | 18 390 | 4 226 |
| <i>Exports</i> | | | | | | | | | | |
| Ferro-niobium | 52 | 224 | 179 | 257 | 162 | 935 | 4 284 | 5 210 | 10 491 | 2 944 |
| Tantalum | 72 | 191 | 97 | 336 | 43 | 3 144 | 8 657 | 10 129 | 11 571 | 5 742 |
| Niobium (b) | 23 | 45 | 72 | 29 | 142 | 947 | 3 971 | 5 878 | 1 678 | 1 584 |

(a) Metal content.

(b) Including rhenium.

Tellurium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|--------|------|------|------|------|------------|--------|--------|-------|------|
| | Tonnes | | | | | £ thousand | | | | |
| Tellurium | | | | | | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| | 53 | 98 | 54 | 11 | 8 | 5 366 | 14 999 | 10 996 | 727 | 404 |
| <i>Exports</i> | | | | | | | | | | |
| | 112 | 92 | 75 | 45 | 5 | 9 453 | 9 004 | 14 820 | 7 903 | 506 |

Tin

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|--------|--------|-------|-------|-------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Tin | | | | | | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Refined | 3 000 | 3 000 | 2 390 | 1 320 | 1 140 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Concentrates | 6 | 0 | 0 | 0 | 1 | 122 | 45 | 48 | 7 | 67 |
| Unwrought | 4 522 | 4 327 | 4 186 | 3 850 | 3 484 | 39 257 | 58 068 | 68 910 | 52 159 | 50 362 |
| Unwrought alloys | 370 | 365 | 396 | 1 113 | 4 049 | 5 648 | 6 829 | 11 722 | 8 085 | 6 331 |
| Scrap | 121 | 196 | 121 | 147 | 69 | 251 | 384 | 668 | 813 | 255 |
| <i>Exports</i> | | | | | | | | | | |
| Concentrates | 61 | 163 | 58 | 241 | 86 | 448 | 954 | 371 | 743 | 519 |
| Unwrought | 928 | 1 856 | 1 797 | 2 092 | 1 726 | 8 500 | 24 891 | 30 504 | 20 761 | 15 855 |
| Unwrought alloys | 537 | 389 | 545 | 246 | 319 | 3 296 | 4 037 | 6 606 | 3 995 | 4 690 |
| Scrap | 22 597 | 13 115 | 4 414 | 3 435 | 1 526 | 29 286 | 12 682 | 10 404 | 5 935 | 3 316 |

Titanium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|-------------|-------------|-------------|-------------|-------------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Titanium | | | | | | | | | | |
| <i>Production</i> | | | | | | | | | | |
| Titanium dioxide pigment | (a) 230 000 | (b) 260 000 | (b) 280 000 | (b) 200 000 | (b) 220 000 | | | | | |
| <i>Apparent consumption (c)</i> | 24 800 | 43 500 | 43 900 | 84 700 | 62 600 | | | | | |
| <i>Consumption in Iron and Steel Industry</i> | | | | | | | | | | |
| Ferro-titanium | 730 | 710 | 690 | 700 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Titanium minerals | 112 091 | 90 622 | 32 127 | 117 860 | 104 134 | 33 898 | 31 752 | 11 905 | 45 671 | 38 299 |
| Unwrought | 9 989 | 7 994 | 10 636 | 14 993 | 10 664 | 52 522 | 52 867 | 74 526 | 126 729 | 81 306 |
| Scrap | 8 972 | 8 388 | 9 930 | 9 963 | 9 892 | 11 106 | 24 707 | 36 399 | 33 473 | 25 145 |
| Wrought | 4 218 | 4 299 | 49 277 | 8 987 | 6 543 | 160 102 | 153 972 | 215 133 | 264 794 | 308 911 |
| Ferro-titanium (d) | 396 | 274 | 187 | 902 | 687 | 399 | 813 | 721 | 2 787 | 2 057 |
| Oxides | 4 933 | 6 503 | 9 218 | 4 929 | 4 380 | 9 101 | 11 106 | 18 969 | 11 566 | 9 979 |
| Pigments based on titanium dioxide | 48 931 | 52 957 | 53 093 | 58 129 | 70 936 | 72 302 | 86 182 | 113 505 | 136 239 | 124 345 |
| Titanium slag | 127 224 | 187 913 | ... | ... | ... | 36 298 | 31 090 | ... | ... | ... |
| <i>Exports</i> | | | | | | | | | | |
| Titanium minerals | 41 | 20 | 32 | 13 | 52 | 150 | 35 | 88 | 53 | 197 |
| Scrap | 3 269 | 4 180 | 5 757 | 5 204 | 3 896 | 5 096 | 15 804 | 23 440 | 20 112 | 11 093 |
| Unwrought | 2 823 | 3 683 | 1 263 | 709 | 1 475 | 8 265 | 25 579 | 8 732 | 5 446 | 13 148 |
| Wrought | 3 464 | 4 197 | 4 907 | 5 628 | 6 122 | 156 703 | 155 259 | 187 664 | 239 778 | 253 944 |
| Ferro-titanium (d) | 13 098 | 15 197 | 17 662 | 18 040 | 22 652 | 23 486 | 43 348 | 60 009 | 56 342 | 67 224 |
| Oxides | 845 | 867 | 1 658 | 1 260 | 2 985 | 3 693 | 2 464 | 3 489 | 3 570 | 3 081 |
| Pigments based on titanium dioxide | 203 028 | 207 651 | 221 532 | 140 875 | 166 563 | 298 629 | 322 674 | 433 688 | 302 295 | 323 270 |

(a) Articol estimates.
(b) BGS estimates.

(c) BGS estimates; see explanatory notes.
(d) Including ferro-silico-titanium.

Tungsten

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|-------|-------|-------|-------|------------|--------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Tungsten | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry (a)</i> | | | | | | | | | | |
| | 20 | 20 | 30 | 30 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores & concentrates | 35 | 2 | 25 | 3 | 8 | 44 | 40 | 388 | 62 | 112 |
| Scrap | 1 157 | 1 278 | 1 633 | 1 251 | 1 437 | 11 134 | 15 973 | 29 479 | 23 965 | 26 750 |
| Unwrought | 283 | 353 | 284 | 562 | 393 | 5 456 | 5 470 | 8 358 | 16 867 | 10 343 |
| Wrought | 38 | 45 | 82 | 75 | 76 | 2 995 | 4 384 | 5 412 | 4 814 | 4 384 |
| Ferro-tungsten (b) | 26 | 48 | 44 | 34 | 30 | 348 | 763 | 1 010 | 846 | 641 |
| Carbide | 614 | 1 111 | 3 622 | 1 245 | 878 | 11 808 | 27 735 | 96 915 | 38 383 | 25 770 |
| Tungstates | 6 | 4 | 1 | 2 | 3 | 144 | 116 | 92 | 117 | 135 |
| Oxides and hydroxides | 36 | 24 | 30 | 4 | 2 | 154 | 117 | 266 | 279 | 130 |
| <i>Exports</i> | | | | | | | | | | |
| Ores & concentrates | 3 | 29 | 35 | 102 | 67 | 93 | 327 | 783 | 873 | 614 |
| Scrap | 1 429 | 1 451 | 1 862 | 1 471 | 2 250 | 11 089 | 15 563 | 33 580 | 24 634 | 30 249 |
| Unwrought | 65 | 162 | 218 | 112 | 100 | 1 681 | 2 502 | 7 281 | 4 483 | 7 781 |
| Wrought | 47 | 36 | 55 | 91 | 98 | 1 975 | 2 645 | 4 551 | 6 574 | 7 182 |
| Ferro-tungsten (b) | 1 | 4 | 3 | 20 | 9 | 25 | 112 | 81 | 453 | 212 |
| Carbide | 80 | 41 | 597 | 463 | 400 | 211 | 983 | 2 984 | 8 573 | 6 725 |
| Tungstates | 8 | 6 | 10 | 7 | 45 | 650 | 117 | 258 | 131 | 639 |
| Oxides and hydroxides | 55 | 6 | 10 | 33 | 24 | 367 | 68 | 44 | 283 | 209 |

(a) Metal content.

(b) Including ferro-silico-tungsten.

Vanadium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|------|------|------|------|------------|-------|-------|-------|-------|
| | Tonnes | | | | | £ thousand | | | | |
| Vanadium | | | | | | | | | | |
| <i>Consumption in Iron and Steel Industry (a)</i> | | | | | | | | | | |
| | 40 | 50 | 70 | 60 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Unwrought | 112 | 197 | 376 | 261 | 199 | 3 218 | 4 670 | 7 219 | 4 855 | 3 959 |
| Oxides | 84 | 5 | 17 | 21 | 0 | 699 | 74 | 73 | 70 | 9 |
| Ferro-vanadium | 209 | 340 | 368 | 246 | 339 | 2 394 | 4 413 | 5 256 | 3 186 | 5 065 |
| <i>Exports</i> | | | | | | | | | | |
| Unwrought | 18 | 23 | 32 | 11 | 36 | 395 | 682 | 682 | 202 | 659 |
| Oxides | 487 | 694 | 6 | 0 | 0 | 4 992 | 7 806 | 70 | 25 | 9 |
| Ferro-vanadium | 64 | 24 | 52 | 31 | 45 | 958 | 328 | 712 | 409 | 591 |

(a) Vanadium content of ferro-vanadium.

Vermiculite

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--------------------|--------|------------|------------|------------|------------|------------|-----------|------------|-----------|-----------|
| | Tonnes | | | | | £ thousand | | | | |
| Vermiculite | | | | | | | | | | |
| <i>Imports</i> | 24 515 | (a) 58 456 | (a) 98 437 | (a) 66 298 | (a) 59 424 | 4 115 | (a) 5 357 | (a) 12 950 | (a) 8 508 | (a) 7 087 |
| <i>Exports</i> | 188 | (a) 1 059 | (a) 1 116 | (a) 1 228 | (a) 1 459 | 934 | (a) 822 | (a) 825 | (a) 845 | (a) 772 |

(a) Figures also include perlite and chlorites.

Zinc

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------------|--------|--------|--------|--------|---------|------------|---------|---------|---------|---------|
| | Tonnes | | | | | £ thousand | | | | |
| Zinc | | | | | | | | | | |
| <i>Consumption</i> | | | | | | | | | | |
| Slab | 99 000 | 96 641 | 86 892 | 80 031 | 100 314 | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores & concentrates | 119 | 574 | 426 | 178 | 43 | 341 | 970 | 749 | 200 | 222 |
| Ash and residues | 3 160 | 2 898 | 7 300 | 2 248 | 13 417 | 11 203 | 1 243 | 1 280 | 983 | 1 180 |
| Unwrought | 84 594 | 97 066 | 85 516 | 77 847 | 98 448 | 96 839 | 144 172 | 127 929 | 105 654 | 129 865 |
| Unwrought alloys | 1 869 | 2 973 | 9 306 | 8 917 | 8 469 | 2 407 | 4 156 | 14 185 | 12 616 | 12 337 |
| Scrap | 344 | 447 | 339 | 412 | 533 | 258 | 409 | 365 | 398 | 550 |
| <i>Exports</i> | | | | | | | | | | |
| Ores & concentrates | 11 418 | 8 405 | 9 714 | 5 561 | 4 720 | 1 691 | 2 992 | 5 425 | 6 923 | 2 156 |
| Ash and residues | 9 585 | 9 139 | 7 283 | 7 238 | 7 008 | 6 268 | 8 422 | 7 383 | 6 601 | 6 130 |
| Unwrought | 3 600 | 3 580 | 2 724 | 1 823 | 2 138 | 4 560 | 4 937 | 4 959 | 2 749 | 2 906 |
| Unwrought alloys | 13 578 | 14 561 | 12 737 | 13 580 | 11 251 | 15 562 | 21 409 | 19 227 | 18 475 | 15 853 |
| Scrap | 6 030 | 14 903 | 12 545 | 9 897 | 4 375 | 5 144 | 18 207 | 16 005 | 12 407 | 4 557 |

Zirconium

United Kingdom summary 2009-2013

| Commodity | 2009 | 2010 | 2011 | 2012 | 2013 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|--------|-------|--------|-------|-------|------------|-------|--------|--------|--------|
| | Tonnes | | | | | £ thousand | | | | |
| Zirconium | | | | | | | | | | |
| <i>Apparent consumption (a)</i> | 3 000 | 4 000 | 7 000 | 4 000 | 3 000 | | | | | |
| <i>Consumption in Iron and Steel Industry</i> | | | | | | | | | | |
| Ferro-silico-zirconium | 50 | 50 | 50 | 50 | ... | | | | | |
| <i>Imports</i> | | | | | | | | | | |
| Ores and Concentrates (b) | 6 386 | 8 450 | 14 709 | 8 928 | 6 879 | 5 910 | 7 204 | 18 710 | 17 257 | 10 575 |
| Scrap | 49 | 139 | 197 | 179 | 174 | 311 | 885 | 1 140 | 1 089 | 1 061 |
| Unwrought | 82 | 190 | 345 | 215 | 260 | 1 830 | 3 088 | 4 504 | 5 143 | 5 049 |
| Wrought | 72 | 82 | 74 | 88 | 79 | 852 | 1 219 | 1 174 | 1 691 | 2 109 |
| <i>Exports</i> | | | | | | | | | | |
| Ores and concentrates | 742 | 1 405 | 1 661 | 818 | 1 037 | 966 | 1 728 | 3 482 | 2 089 | 2 659 |
| Scrap | 11 | 76 | 12 | 13 | 44 | 42 | 338 | 114 | 156 | 433 |
| Unwrought | 0 | 0 | 88 | 189 | 21 | 53 | 6 | 153 | 399 | 184 |
| Wrought | 7 | 15 | 2 | 11 | 1 | 1 362 | 336 | 232 | 371 | 177 |

(a) BGS estimates; see explanatory notes.

(b) Mainly zircon.