



Department for  
Communities and  
Local Government

# Mineral extraction in Great Britain 2012

Business Monitor PA1007

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# **MINERAL EXTRACTION IN GREAT BRITAIN**

**BUSINESS MONITOR PA1007**

**Mineral extraction in Great Britain is a publication based on the Annual Minerals Raised Inquiry, carried out by ONS for the Department for Communities and Local Government and the Department for Business, Innovation & Skills.**

**2012**

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#### About the Office for National Statistics

The Office for National Statistics (ONS) is the government agency responsible for compiling, analysing and disseminating many of the United Kingdom's economic, social and demographic statistics, including the retail prices index, trade figures and labour market data, as well as the periodic census of the population and health statistics. The Director of ONS is also the National Statistician and the Registrar General for England and Wales, and the agency that administers the registration of births, marriages and deaths there.

#### A National Statistics Publication

National Statistics are produced to high professional standards set out in the National Statistics Code of Practice. They undergo regular quality assurance reviews to ensure that they meet customer needs. They are produced free from any political interference.

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## NOTES TO TABLES

### 1. Introduction

This monitor covers all mines and quarries in Great Britain except for coal. The register of some 2,000 different sites is supplied and kept up-to-date with the assistance of the British Geological Survey's 'BRITPITS' database and with acknowledgement of help of the minerals industry, the Aggregates Working Parties and individual Mineral Planning Authorities.

### 2. Coverage

Mineral Extraction in Great Britain is a business monitor which presents the results of the Annual Minerals Raised Inquiry conducted by the Office for National Statistics under Section 1 of the Statistics of Trade Act 1947 for the Department for Communities and Local Government and the Department for Business Innovation and Skills.

### 3. Response

The results in this monitor are based on a response of 90 per cent of the total number of questionnaires sent out. Estimates for non-response are included throughout the tables as appropriate.

### 4. Area information

Data is arranged in each table to provide the maximum amount of area information consistent with the need to prevent disclosure. The data is collected by mineral planning authority area in England and have been geographically represented under Wales and Scotland Region.

To ensure that the data reported for sites are ascribed to the correct administrative areas respondents are asked to confirm the site location when completing the survey questionnaires.

### 5. Employment

The figures show the number of persons employed directly and indirectly during the week ended 6 September 2012 (or in the nearest normal working week) who were subject to the provisions of the Mines and Quarries Acts 1954 and 1969.

Included are working proprietors, drivers of external and internal haulage and other vehicles (whether or not on the quarry payroll) and persons employed by contractors and sub-contractors to carry out drilling, blasting, plant installation and modification etc. (excluded are persons who were employed on any operations subject to the provisions of the Factories Act 1961).

Where more than one mineral is extracted at a mine or quarry, all employment is attributed to the chief mineral (in terms of tonnage sold).

### 6. Marine dredged sand & gravel

Table 2 (Sand & Gravel) includes data for marine dredged material. This data is allocated to the county in which the port of landing is situated.

## 7. Crushed rock summary

Table 7 (Crushed rock summary) presents combined data for the minerals sandstone, igneous rock, limestone and dolomite in respect of their uses as aggregates for construction i.e. roadstone, concrete aggregate, other screened and graded aggregate, railway ballast and other constructional uses (fill and ballast). Figures for these minerals are shown separately in Tables 3, 4, and 5 respectively.

## 8. Limestone, dolomite and chalk

Tables 5 and 7 are produced at county level. Tables A and B summarise useful totals for Great Britain.

## 9. Guarding against disclosure

The Statistics of Trade Act 1947 prohibits the disclosure of any information relating to an individual undertaking without the consent of the person carrying on that undertaking. Rigorous checks have been made to ensure that information relating to individual businesses has not been disclosed, directly or by deduction, in any of the figures published in this Business Monitor. Where necessary, figures have been withheld or combined with others.

## 10. Rounding

Because of rounding, the sums of constituent items may not always agree with the totals shown.

## 11. Symbols

The following symbols are used throughout this monitor:

\* withheld to avoid disclosure

- nil or less than 500 tonnes

† includes marine dredged material

COUNTY DEFINITION USED IN THIS REPORT

The data is collected by mineral planning authority area in England and have been geographically represented under Wales and Scotland Region. The county coverage is detailed below.

COUNTY	COUNTY/UNITARY
Northumberland	Northumberland
Durham	Durham
	Darlington
Tyne & Wear	Newcastle Upon Tyne
	Gateshead
	Sunderland
	North Tyneside
	South Tyneside
Cleveland	Hartlepool
	Redcar & Cleveland
	Middlesbrough
	Stockton-on-Tees
Cumbria	Cumbria
Lancashire	Lancashire
	Blackburn
	Blackpool
Greater Manchester	Tameside
	Stockport
	Manchester
	Trafford
	Salford
	Oldham
	Rochdale
	Bury
	Wigan
	Bolton
Cheshire	Cheshire
	Halton
	Warrington
Merseyside	Sefton
	Wirral
	Liverpool
	Knowsley
	St. Helens
North Yorkshire	North Yorkshire
	York
West Yorkshire	Leeds
	Bradford
	Calderdale
	Kirklees
	Wakefield



COUNTY	COUNTY/UNITARY
South Yorkshire	Sheffield Rotherham Doncaster Barnsley
Humberside	East Riding of Yorkshire Kingston-upon-Hull North East Lincolnshire North Lincolnshire
Hereford	Hereford
Worcestershire	Worcester
Shropshire	Shropshire The Wrekin
Staffordshire	Staffordshire Stoke-on-Trent
Warwickshire	Warwickshire
West Midlands	Birmingham Wolverhampton Dudley Walsall Sandwell Solihull Coventry
Derbyshire	Derbyshire Derby
Leicestershire	Leicestershire Leicester Rutland
Lincolnshire	Lincolnshire
Northamptonshire	Northamptonshire
Nottinghamshire	Nottinghamshire Nottingham
Cambridgeshire	Cambridgeshire Peterborough
Norfolk	Norfolk
Suffolk	Suffolk
Bedfordshire	Bedfordshire
Essex	Essex Thurrock
Hertfordshire	Hertfordshire
Berkshire	Bracknell Forest Newbury Reading Slough Windsor & Maidenhead Wokingham
Buckinghamshire	Buckinghamshire
East Sussex	Milton Keynes East Sussex Brighton & Hove

COUNTY	COUNTY/UNITARY
Hampshire	Hampshire Portsmouth Southampton
Isle of Wight	Isle of Wight
Kent	Kent Medway
Oxfordshire	Oxfordshire
Surrey	Surrey
West Sussex	West Sussex
Greater London	Greater London
Avon	Bath & North East Somerset Bristol North Somerset South Gloucestershire
Cornwall	Cornwall
Devon	Devon Plymouth Torbay
Dorset	Dorset Bournemouth Poole
Gloucestershire	Gloucestershire
Somerset	Somerset
Wiltshire	Wiltshire Thamesdown/Swindon
Gwynedd	Anglesey Gwynedd Conwy
Clwyd	Denbighshire Flintshire Wrexham
Powys	Powys
Dyfed	Ceredigion Pembrokeshire Carmarthenshire
West Glamorgan	Swansea Neath & Port Talbot
Mid Glamorgan	Bridgend Rhondda Cynon Taff Merthyr Tydfil
South Glamorgan	Vale of Glamorgan Cardiff
Gwent	Caerphilly Blaenau Gwent Torfaen Monmouthshire Newport

COUNTY	COUNTY/UNITARY
South of Scotland	Dumfries & Galloway
	Scottish Borders
West Central Scotland	East Ayrshire
	East Dunbartonshire
	East Renfrewshire
	Argyll & Bute
	Glasgow
	Inverclyde
	North Ayrshire
	North Lanarkshire
	South Lanarkshire
	South Ayrshire
	Stirling
	West Dunbartonshire
East Central Scotland	Clackmannanshire
	East Lothian
	Edinburgh
	Mid Lothian
	West Lothian
	Falkirk
Tayside & Fife	Angus
	Dundee City
	Fife
	Perth & Kinross
North East Scotland	Aberdeen City
	Aberdeenshire
	Moray
Highlands	Highlands
Orkney Isles	Orkney Isles
Western Isles	Western Isles
Shetland	Shetland

**TABLE A - Limestone, dolomite and chalk:  
Extractors' sales by broad end-use , 2012**

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Thousand tonnes

Mineral	Constructional uses (b)	Cement	Agricultural uses	Industrial uses (a)	Total
Limestone	37,178	*	965	*	<b>51,138</b>
Dolomite	3,611	-	*	*	<b>4,896</b>
Chalk	327	*	*	*	<b>3,474</b>
<b>Total</b>	<b>41,116</b>	<b>9,255</b>	<b>1,580</b>	<b>7,557</b>	<b>59,508</b>

(a) Includes material for calcination  
(b) Includes building stone

**TABLE B - Limestone, dolomite and chalk:  
Extractors' sales of material for agricultural and industrial uses, 2012 (a)**

Thousand tonnes

Use	Limestone	Dolomite	Chalk	Total	Of which for conversion by calcination
Agricultural / horticultural	965	*	*	1,580	
Iron and steel	*	*	*	2,960	*
Glass making	*	*	*	210	
Asphalt filler	*	-	-	94	
Other specialised fillers	*	-	*	1,245	
Chemical use	*	-	*	1,086	*
Building materials	*	-	*	559	
Water & effluent treatment & pollution control	*	-	*	1,402	*
<b>Total</b>	<b>6,611</b>	<b>1,285</b>	<b>1,240</b>	<b>9,136</b>	<b>1,666</b>

(a) Includes material for calcination

TABLE 1 - INDUSTRIAL SAND

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Extractors' sales by end-use and area of origin, 2012

Thousand tonnes

Area of origin	Sand for industrial uses			Sand for agricultural, horticultural and leisure uses	Total
	Sand for foundry uses	Sand for glass manufacture	Sand for other industrial uses		
Northumberland	-	-	-	*	*
North Yorkshire	-	-	2	*	*
South Yorkshire	-	*	-	-	*
Humberside	*	*	*	*	*
Cumbria	-	-	-	27	27
Cheshire	322	*	*	*	925
Staffordshire	-	-	*	*	*
Worcester	*	-	-	-	*
West Midlands	-	-	*	-	*
Nottinghamshire	*	-	*	*	*
Lincolnshire	-	-	*	-	*
Norfolk	-	*	*	*	*
Suffolk	*	-	-	-	*
Essex	-	*	*	-	-
Bedfordshire	-	*	*	*	*
Surrey	-	*	*	*	*
Kent	-	-	*	*	226
West Sussex	-	-	*	-	*
Dorset	-	-	*	-	*
Devon	-	-	*	*	*
Cornwall	-	-	-	*	*
<b>England</b>	<b>340</b>	<b>*</b>	<b>*</b>	<b>1,095</b>	<b>3,361</b>
Clwyd	-	-	-	*	*
Dyfed	-	-	-	*	*
<b>Wales</b>	-	-	-	<b>86</b>	<b>86</b>
West Central Scotland	-	*	*	-	*
East Central Scotland	-	*	-	*	*
Tayside and Fife	-	*	*	*	*
<b>Scotland</b>	-	<b>*</b>	<b>*</b>	<b>94</b>	<b>440</b>
<b>Great Britain</b>	<b>340</b>	<b>1,489</b>	<b>782</b>	<b>1,277</b>	<b>3,888</b>

TABLE 2 - SAND &amp; GRAVEL FOR CONSTRUCTION

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Extractors' sales by end-use and area 2012

Thousand tonnes

Area of origin	Sand			Gravel				Total	Of which marine dredged material
	Building sand		Concreting sand	For asphalt	Concrete aggregate	Other screened & graded gravels	Other sand & gravel for fill		
	For asphalt	For use in mortar							
Northumberland	*	*	*	-	82	*	*	360	-
Tyne & Wear	-	-	* †	-	-	- †	* †	* †	*
Durham	*	*	*	-	-	-	*	419	-
Cleveland	-	-	* †	-	* †	- †	-	* †	*
North Yorkshire	*	*	574	*	542	265	87	1,545	-
West Yorkshire	-	*	*	-	-	-	*	123	-
South Yorkshire	*	*	*	*	*	*	*	818	-
Humberside	* †	202	235 †	-	93 †	* †	49	705 †	*
Lancashire	-	*	*	-	-	-	-	*	-
Cumbria	41	75	195	-	27	*	*	363	-
Greater Manchester	-	-	-	-	-	-	85	85	-
Cheshire	*	312	527	-	-	-	*	1,006	-
Merseyside	-	50 †	40 †	-	-	-	-	90 †	90
Shropshire	*	*	331	*	123	*	*	654	-
Staffordshire	*	190	1,387	*	1,249	435	211	3,624	-
West Midlands	-	*	*	-	*	*	*	*	-
Warwickshire	3	112	135	-	*	*	*	399	-
Hereford	-	*	*	-	*	*	-	*	-
Worcester	*	*	*	-	*	*	31	427	-
Derbyshire	-	*	337	*	246	*	*	967	-
Northamptonshire	*	*	*	*	*	*	*	*	-
Leicestershire	*	*	*	*	*	*	*	*	-
Nottinghamshire	*	*	411	-	*	*	111	1,327	-
Lincolnshire	75	75	588	*	316	*	323	1,828	-
Cambridgeshire	*	5	587	*	429	166	*	1,426	-
Norfolk	*	116	346	*	268	197	166	1,140	-
Suffolk	*	96 †	442 †	-	139 †	215 †	* †	978 †	91
Essex	*	364	998 †	*	1,001 †	83 †	122 †	2,615 †	*
Hertfordshire	-	*	*	-	*	*	*	*	-
Bedfordshire	*	152	446	*	109	*	*	1,473	-
Buckinghamshire	-	*	134	-	189	*	*	489	-
Oxfordshire	-	*	*	*	*	*	*	563	-
Berkshire	-	*	270	-	286	*	118	840	-
Surrey	*	235	*	-	*	*	*	605	-
Kent	*	317 †	954 †	-	1,423 †	338 †	* †	3,229 †	2,219
East Sussex	-	* †	* †	-	* †	* †	* †	* †	*
West Sussex	* †	* †	229 †	-	* †	* †	* †	* †	*
Hampshire	* †	* †	567 †	-	846 †	376 †	193 †	2,085 †	1,323
Isle of Wight	*	* †	* †	-	* †	* †	34 †	171 †	*
Greater London	-	* †	2,004 †	-	* †	* †	* †	4,252 †	3,738
Gloucestershire	-	*	*	*	*	*	*	*	-
Wiltshire	-	*	354	-	*	*	8	663	-
Avon	-	* †	* †	-	-	* †	- †	* †	386
Somerset	-	-	* †	-	* †	30	9	* †	*
Dorset	40	* †	748 †	-	* †	* †	* †	1,231 †	*
Devon	*	50	391 †	*	75 †	107	28	670 †	*
Cornwall	-	-	*	-	-	-	*	*	-
<b>England</b>	<b>*</b> †	<b>4,527</b> †	<b>16,860</b> †	<b>*</b>	<b>11,421</b> †	<b>4,480</b> †	<b>4,406</b> †	<b>42,909</b> †	<b>9,680</b>

Area of origin	Sand			Gravel				Total	Of which marine dredged material
	Building sand		Concreting sand	For asphalt	Concrete aggregate	Other screened & graded gravels	Other sand & gravel for fill		
	For asphalt	For use in mortar							
Clwyd	*	*	*	-	*	*	*	*	-
Gwynedd	-	62 †	53	-	31	*	-	* †	62
Dyfed	*	167 †	75 †	-	*	20 †	16 †	300 †	*
West Glamorgan	-	* †	* †	-	- †	* †	* †	* †	*
Mid Glamorgan	-	-	*	-	-	-	-	*	-
South Glamorgan	-	* †	* †	-	* †	* †	* †	* †	*
Gwent	-	* †	* †	-	-	-	-	* †	*
Powys	-	-	-	-	-	-	*	*	-
<b>Wales</b>	<b>*</b>	<b>388 †</b>	<b>703 †</b>	<b>-</b>	<b>162 †</b>	<b>69 †</b>	<b>* †</b>	<b>1,364 †</b>	<b>613</b>
South of Scotland	*	36	134	*	114	54	*	408	-
West Central Scotland	*	212	865	*	*	401	*	1,932	-
East Central Scotland	*	*	168	-	*	118	9	483	-
Tayside and Fife	113	124	545	-	391	177	108	1,457	-
North East Scotland	52	74	246	-	131	125	210	839	-
Highlands	*	*	155	*	163	*	109	564	-
Western Isles	-	3	*	-	*	*	*	30	-
Orkney	-	*	*	-	-	-	2	*	-
Shetland	-	1	-	-	-	-	*	*	-
<b>Scotland</b>	<b>*</b>	<b>559</b>	<b>2,135</b>	<b>*</b>	<b>1,009</b>	<b>931</b>	<b>*</b>	<b>5,772</b>	<b>-</b>
<b>Great Britain</b>	<b>1,326 †</b>	<b>5,474 †</b>	<b>19,697 †</b>	<b>491</b>	<b>12,592 †</b>	<b>5,480 †</b>	<b>4,985 †</b>	<b>50,044 †</b>	<b>10,291</b>
<b>Marine Dredged</b>	<b>*</b>	<b>591</b>	<b>4,600</b>	<b>-</b>	<b>4,042</b>	<b>829</b>	<b>*</b>	<b>10,291</b>	<b>-</b>

† Includes marine dredged material

See also note 6

## Extractors' sales by end-use and area of origin, 2012

Thousand tonnes

Area of origin	Roadstone											Total
	Building stone	For asphalt on site	For asphalt off site	Uncoated roadstone	Surface dressing chippings	Concrete Aggregates	Other screened and graded	Rail Ballast	Other constructional uses	Armourstone & Gabion	Industrial Uses	
Northumberland	23	-	-	14	-	-	-	-	10	-	-	47
Durham	*	-	-	-	-	-	-	-	-	-	-	*
North Yorkshire	*	-	535	-	*	*	*	-	*	-	-	795
West Yorkshire	112	*	-	*	-	-	*	-	*	*	-	423
South Yorkshire	-	-	-	-	-	-	-	-	-	-	-	-
Lancashire	*	-	-	-	-	*	*	-	*	-	-	903
Cumbria	*	*	*	-	*	-	*	-	4	-	-	215
Gtr Manchester	*	*	-	-	-	-	-	-	-	-	-	*
Cheshire	1	-	-	-	-	-	-	-	54	-	-	55
Warwickshire	-	-	-	-	-	-	-	-	-	-	30	30
Staffordshire	-	-	-	-	-	-	-	-	-	-	-	-
Shropshire	*	*	*	*	*	*	*	-	*	-	*	*
Hereford	2	*	-	*	-	*	*	-	*	-	-	*
Derbyshire	92	-	-	-	-	-	-	-	*	*	-	102
Northamptonshire	-	-	-	-	-	-	-	-	*	-	-	*
Norfolk	-	-	-	-	-	-	-	-	100	*	-	*
Oxfordshire	-	-	-	-	-	-	-	-	*	-	-	*
West Sussex	-	-	-	-	-	-	-	-	*	-	-	*
Gloucestershire	12	-	-	-	-	-	-	-	-	-	-	12
Somerset	*	-	-	-	-	-	-	-	-	-	-	*
Dorset	*	-	-	-	-	-	-	-	-	-	-	*
Devon	2	*	*	23	-	*	*	-	*	3	-	306
Cornwall	-	-	53	-	-	-	28	-	66	-	-	147
<b>England</b>	<b>337</b>	<b>483</b>	<b>*</b>	<b>527</b>	<b>*</b>	<b>676</b>	<b>299</b>	<b>-</b>	<b>945</b>	<b>30</b>	<b>*</b>	<b>4,451</b>
Clwyd	-	-	-	-	-	-	-	-	-	-	-	-
Dyfed	*	*	-	-	-	-	*	-	*	-	-	*
West Glamorgan	*	*	*	3	-	-	*	-	28	*	-	422
Mid Glamorgan	*	-	*	9	-	*	-	-	*	-	-	*
Gwent	-	-	-	*	*	-	*	-	*	-	-	*
Powys	5	*	*	*	*	*	*	-	*	*	*	*
<b>Wales</b>	<b>14</b>	<b>326</b>	<b>1,399</b>	<b>107</b>	<b>*</b>	<b>146</b>	<b>168</b>	<b>-</b>	<b>392</b>	<b>*</b>	<b>*</b>	<b>2,701</b>
South of Scotland	12	*	*	250	*	*	*	-	258	*	-	774
West Central Scotland	-	*	*	180	*	*	*	-	*	*	-	445
East Central Scotland	-	-	-	-	-	-	-	-	-	-	-	-
Tayside and Fife	*	-	-	*	-	-	-	-	*	-	-	9
North East Scotland	-	-	-	44	-	-	*	-	-	-	-	*
Highlands	-	*	-	*	*	12	*	-	*	*	-	72
Orkney	-	*	-	*	*	*	*	-	*	*	-	*
Shetland	*	-	-	*	-	*	*	-	-	*	-	*
<b>Scotland</b>	<b>14</b>	<b>66</b>	<b>*</b>	<b>538</b>	<b>43</b>	<b>151</b>	<b>234</b>	<b>-</b>	<b>394</b>	<b>*</b>	<b>-</b>	<b>1,564</b>
<b>Great Britain</b>	<b>365</b>	<b>875</b>	<b>2,451</b>	<b>1,172</b>	<b>359</b>	<b>973</b>	<b>701</b>	<b>-</b>	<b>1,731</b>	<b>*</b>	<b>*</b>	<b>8,714</b>



Table 4 - IGNEOUS ROCK

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## Extractors' sales by end-use and area of origin, 2012

Thousand tonnes

Area of origin	Building stone	Roadstone				Concrete Aggregates	Other screened and graded	Rail Ballast	Other constructional use	Armourstone & Gabion	Industrial uses	Total
		For asphalt on site	For asphalt off site	Uncoated roadstone 1&2	Surface dresssing chippings							
Northumberland	-	144	*	*	*	219	*	*	*	*	*	1196
Durham	-	*	-	-	*	-	*	-	*	*	-	*
Cumbria	-	*	*	5	*	-	*	*	27	-	-	*
Shropshire	-	*	507	245	*	*	*	-	*	-	-	1322
Warwickshire	-	*	*	*	-	*	*	-	*	-	*	*
Leicestershire	-	*	2106	1225	326	1071	219	*	2008	*	-	9160
Oxfordshire	-	-	-	-	-	-	-	-	*	-	-	*
Somerset	-	*	-	*	-	-	-	-	*	-	-	*
Devon	-	-	*	-	-	*	-	-	*	-	-	*
Cornwall	-	122	74	200	69	895	115	*	647	16	-	2144
<b>England</b>	<b>*</b>	<b>1,249</b>	<b>*</b>	<b>1,981</b>	<b>475</b>	<b>2,225</b>	<b>839</b>	<b>*</b>	<b>3,528</b>	<b>121</b>	<b>*</b>	<b>15,646</b>
Gwynedd	-	*	*	*	12	*	*	-	65	26	-	*
Dyfed	-	*	*	*	*	27	*	-	*	-	-	*
Powys	-	*	*	*	*	*	*	-	*	-	-	*
<b>Wales</b>	<b>-</b>	<b>323</b>	<b>530</b>	<b>191</b>	<b>*</b>	<b>*</b>	<b>120</b>	<b>*</b>	<b>333</b>	<b>*</b>	<b>-</b>	<b>1,769</b>
South of Scotland	-	*	*	180	-	*	*	-	46	*	-	<b>819</b>
West Central Scotland	*	236	370	1,422	101	794	501	*	1,085	*	-	<b>4,643</b>
East Central Scotland	*	169	*	801	-	226	*	-	448	*	*	<b>1,941</b>
Tayside and Fife	-	256	*	*	-	*	*	*	*	10	-	<b>1,370</b>
North East Scotland	*	303	24	555	23	*	348	-	410	*	-	<b>1,987</b>
Highlands	-	*	361	1,813	*	515	1,709	*	1,407	*	-	<b>6,121</b>
Western Isles	-	-	33	*	-	20	33	-	137	-	-	<b>277</b>
Shetland	*	25	-	*	-	*	*	-	*	*	-	<b>227</b>
<b>Scotland</b>	<b>*</b>	<b>1,126</b>	<b>*</b>	<b>5,331</b>	<b>*</b>	<b>*</b>	<b>3,261</b>	<b>*</b>	<b>3,815</b>	<b>*</b>	<b>*</b>	<b>17,384</b>
<b>Great Britain</b>	<b>165</b>	<b>2,698</b>	<b>4,889</b>	<b>7,503</b>	<b>709</b>	<b>4,220</b>	<b>4,220</b>	<b>2,312</b>	<b>7,676</b>	<b>*</b>	<b>*</b>	<b>34,799</b>

**TABLE 5 - LIMESTONE & DOLOMITE**  
**Extractors' sales by end-use and area of origin, 2012**

PA1007

Thousand tonnes

Area of origin	For construction uses					Industrial and agricultural uses (including material for calcination)														Total
	Building stone	Roadstone For asphalt on site	For asphalt off site	Uncoated road-stone	Surface dressings chippings	Concrete Aggreg's	Other screened and graded	Rail Ballast	Other construction uses	Armour-stone & Gabion	Cement	Agricultural uses	Iron & steel	Chemical uses	Building materials	Environ-mental uses (a)	Glass making	Asphalt filler	Other fillers (b)	
Northumberland	-	*	-	-	-	*	-	6	-	-	*	-	-	-	-	-	-	-	-	*
Tyne & Wear	-	-	-	49	-	-	38	-	53	5	-	114	-	-	-	-	-	-	-	*
Durham	*	*	161	267	*	*	358	140	846	*	-	148	*	-	-	-	*	2	-	2631
Cleveland	-	-	-	-	*	-	-	-	-	-	-	*	-	-	-	-	-	-	-	*
North Yorkshire	3	154	*	1013	*	1167	639	-	690	*	-	*	*	-	-	-	-	-	-	4326
West Yorkshire	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	*
South Yorkshire	-	-	-	*	-	*	*	-	*	*	-	*	-	-	-	-	*	-	-	1616
Humberside	-	-	-	-	-	-	*	-	-	-	-	*	-	-	-	-	-	-	-	*
Lancashire	*	*	*	*	-	*	*	-	*	*	*	*	-	-	-	-	-	*	-	2230
Cumbria	2	104	*	247	*	580	268	-	483	*	-	55	*	-	-	-	-	1	-	3067
Shropshire	-	-	*	*	-	*	*	-	*	-	-	*	-	-	-	-	-	-	-	*
Staffordshire	-	*	*	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	*
Hereford	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	*
Derbyshire	*	*	356	1058	*	1675	1990	-	*	*	*	158	*	*	*	*	*	*	*	13422
Northamptonshire	*	-	-	1	-	-	-	-	*	-	-	*	-	-	-	-	-	-	-	*
Leicestershire	*	*	*	*	-	*	*	-	*	-	*	39	-	-	-	-	-	-	-	2309
Lincolnshire	*	-	-	-	-	-	*	-	339	-	*	72	-	-	-	-	-	-	-	583
Cambridgeshire	-	-	26	-	-	-	-	-	*	-	-	12	-	-	-	-	-	-	-	*
Norfolk	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	*
Suffolk	-	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	*
Hertfordshire	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	*
Buckinghamshire	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Oxfordshire	-	-	-	-	-	*	-	-	*	-	*	*	-	-	-	-	-	-	-	*
Kent	-	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	*
Hampshire	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	*
Gloucestershire	*	*	*	*	-	333	*	-	185	-	-	67	*	-	-	-	-	*	-	1008
Wiltshire	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
Avon	*	*	*	*	-	691	*	-	*	-	-	-	-	-	-	-	-	*	-	2904
Somerset	8	*	*	1512	-	2288	362	2	1852	17	-	*	*	-	-	-	-	*	*	8081
Dorset	40	-	-	*	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	102
Devon	1	*	*	483	-	559	*	-	*	2	-	57	-	-	-	-	9	-	-	2130
<b>England</b>	<b>392</b>	<b>1,373</b>	<b>*</b>	<b>6,333</b>	<b>*</b>	<b>8,837</b>	<b>5,863</b>	<b>*</b>	<b>7,294</b>	<b>244</b>	<b>5,561</b>	<b>988</b>	<b>2,162</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>68</b>	<b>975</b>	<b>46,976</b>
Clwyd	-	*	*	*	-	598	*	-	801	*	*	*	-	-	-	-	-	*	-	3,422
Gwynedd	*	-	-	23	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	*
Dyfed	*	*	-	*	-	192	*	-	277	*	-	*	-	-	-	-	-	-	-	964
Mid Glamorgan	*	107	*	360	-	767	*	*	*	*	*	*	*	-	-	-	-	*	-	2,822
South Glamorgan	*	*	-	*	-	*	*	-	12	-	*	-	-	-	-	-	-	-	-	444
Gwent	-	-	-	*	-	*	*	-	*	*	-	-	-	-	-	-	-	-	-	*
Powys	-	-	-	-	-	*	*	-	-	-	-	*	-	-	-	-	-	-	-	*
<b>Wales</b>	<b>*</b>	<b>310</b>	<b>*</b>	<b>920</b>	<b>-</b>	<b>1,701</b>	<b>1,786</b>	<b>*</b>	<b>1,451</b>	<b>*</b>	<b>1,037</b>	<b>121</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>7,938</b>	
West Central Scotland	-	-	-	*	-	*	*	-	*	*	-	*	-	-	-	-	-	*	-	104
East Central Scotland	-	-	-	*	-	-	-	-	-	-	*	-	-	-	-	-	-	*	-	*
Tayside and Fife	-	-	-	-	-	-	*	-	-	-	-	*	-	-	-	-	-	-	-	*
North East Scotland	-	-	-	*	-	-	-	-	-	*	-	114	-	-	-	-	-	-	-	133
Highlands	-	-	-	*	-	*	*	-	*	*	-	*	-	-	-	-	-	*	*	*
<b>Scotland</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>74</b>	<b>-</b>	<b>13</b>	<b>15</b>	<b>-</b>	<b>35</b>	<b>5</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>*</b>	<b>1,120</b>	
<b>Great Britain</b>	<b>487</b>	<b>1,683</b>	<b>3,569</b>	<b>7,326</b>	<b>-</b>	<b>10,552</b>	<b>7,665</b>	<b>142</b>	<b>8,780</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>56,034</b>

FOOTNOTE : The total sales of dolomite for 2012 was 4896 thousand tonnes.

TABLE 6 - PEAT

PA1007

## Extractors' sales by end-use and area of origin, 2012

Thousand cubic metres

Area of Origin	Horticultural use	Other uses	Total
Lancashire	*	-	*
Cumbria	251	-	251
Greater Manchester	82	-	82
Cheshire	*	-	*
Somerset	*	-	*
<b>England</b>	<b>422</b>	-	<b>422</b>
South of Scotland	*	-	*
West Central Scotland	*	*	67
East Central Scotland	*	-	*
North East Scotland	-	*	*
Highlands	*	*	*
Orkney	1	-	1
Shetland	-	*	3
<b>Scotland</b>	<b>126</b>	<b>20</b>	<b>146</b>
<b>Great Britain</b>	<b>548</b>	<b>20</b>	<b>568</b>

TABLE 7 - CRUSHED ROCK

PA1007

Extractors' sales by end-use and area of origin, 2012

Thousand tonnes

Area of origin	Roadstone				Concrete Aggregates	Other screened and graded	Rail Ballast	Other constructional uses	Armourstone & gabion	Total
	For asphalt on site	For asphalt off site	Uncoated roadstone	Surface dressing chippings						
Northumberland	*	*	*	*	*	*	*	218	*	1,255
Tyne & Wear	-	-	49	-	-	38	-	53	5	145
Durham	*	161	267	*	*	394	140	411	*	1,802
Cleveland	-	-	-	*	-	-	-	-	-	*
North Yorkshire	*	1,004	1,013	*	1,219	647	-	766	*	4,934
West Yorkshire	*	-	*	-	*	*	-	*	*	324
South Yorkshire	-	-	*	-	*	*	-	*	*	*
Humberside	-	-	-	-	-	*	-	-	-	*
Lancashire	*	*	*	-	788	278	-	585	*	2,341
Cumbria	321	*	251	*	583	418	*	515	*	2,914
Greater Manchester	*	-	-	-	-	-	-	-	-	*
Cheshire	-	-	-	-	-	*	-	54	-	54
Shropshire	*	*	*	*	*	*	-	*	*	2,392
Staffordshire	*	*	*	-	*	*	-	*	*	*
Warwickshire	*	*	*	-	*	*	-	*	-	*
Hereford	*	-	*	-	*	*	-	*	-	223
Worcester	-	-	-	-	-	-	-	-	-	-
Derbyshire	*	*	1,058	*	1,675	1,990	-	*	*	5,983
Northamptonshire	-	-	1	-	-	-	-	*	-	*
Leicestershire	*	*	*	326	*	*	*	2,151	*	10,141
Lincolnshire	-	-	-	-	-	*	-	*	-	411
Cambridgeshire	-	26	-	-	-	-	-	*	-	*
Norfolk	-	-	-	-	-	*	-	100	*	122
Suffolk	-	-	-	-	*	*	-	-	-	*
Hertfordshire	-	-	-	-	-	*	-	-	-	*
Oxfordshire	-	-	-	-	*	-	-	*	*	257
Kent	-	-	*	-	*	*	-	*	*	*
West Sussex	-	-	-	-	-	-	-	*	-	*
Hampshire	-	-	-	-	-	*	-	-	-	*
Gloucestershire	*	*	*	-	333	*	-	185	-	832
Avon	*	*	*	-	691	*	-	*	*	2,760
Somerset	*	*	*	-	2,288	362	1	*	17	*
Dorset	-	-	*	-	-	*	-	-	*	*
Devon	*	*	506	1	*	*	-	*	5	2,389
Cornwall	*	127	200	69	895	142	5	713	16	2,291
<b>England</b>	<b>*</b>	<b>*</b>	<b>8,840</b>	<b>975</b>	<b>11,739</b>	<b>6,988</b>	<b>*</b>	<b>11,331</b>	<b>395</b>	<b>52,980</b>
Clwyd	*	*	333	-	598	*	-	801	-	2,865
Gwynedd	*	*	*	12	*	*	*	66	26	*
Dyfed	171	*	*	*	220	*	-	*	2	*
West Glamorgan	*	*	3	-	-	*	-	28	*	*
Mid Glamorgan	108	*	370	-	780	*	*	*	*	2,880
South Glamorgan	*	-	*	-	*	*	-	12	-	159
Gwent	-	-	*	*	*	*	-	*	*	*
Powys	*	951	131	*	164	65	-	*	8	2,311
<b>Wales</b>	<b>980</b>	<b>2,184</b>	<b>1,218</b>	<b>*</b>	<b>*</b>	<b>2,074</b>	<b>*</b>	<b>2,166</b>	<b>*</b>	<b>10,901</b>
South of Scotland	134	184	430	*	63	446	-	304	*	1,586
West Central Scotland	241	409	*	*	*	*	*	*	*	5,121
East Central Scotland	177	*	807	-	226	*	-	448	*	1,949
Tayside and Fife	263	*	*	-	*	*	*	*	10	1,386
North East Scotland	306	24	*	23	*	349	*	410	*	2,038
Highlands	*	361	*	*	*	*	-	*	*	6,242
Western Isles	-	33	*	*	20	33	-	137	*	*
Orkney	*	-	*	*	*	*	-	*	*	*
Shetland	25	-	*	*	*	*	-	*	*	*
<b>Scotland</b>	<b>*</b>	<b>*</b>	<b>5,943</b>	<b>*</b>	<b>*</b>	<b>3,510</b>	<b>*</b>	<b>4,244</b>	<b>*</b>	<b>19,004</b>
<b>Great Britain</b>	<b>5,353</b>	<b>*</b>	<b>16,001</b>	<b>1,391</b>	<b>15,744</b>	<b>12,572</b>	<b>2,454</b>	<b>17,741</b>	<b>*</b>	<b>82,885</b>

TABLE 8 - CLAY &amp; SHALE

Extractors' sales by end-use and area of origin 2012

PA1007

Thousand tonnes

Area of Origin	Bricks, pipes & tiles	Cement	Constructional uses	Other uses	Total
Tyne & Wear	120	-	-	-	120
Durham	*	-	-	-	*
North Yorkshire	-	-	121	-	*
West Yorkshire	223	-	-	-	223
South Yorkshire	90	-	-	-	90
Humberside	*	*	-	1	*
Lancashire	118	-	136	-	254
Cumbria	22	-	9	-	31
Greater Manchester	*	-	-	-	*
Cheshire	*	-	-	-	*
Shropshire	*	-	-	-	*
Staffordshire	*	*	-	-	874
West Midlands	240	-	-	-	240
Warwickshire	80	*	-	-	*
Worcester	111	-	-	-	111
Derbyshire	*	*	-	-	*
Leicestershire	*	*	-	-	594
Nottinghamshire	203	-	-	-	203
Cambridgeshire	*	-	-	-	*
Essex	2	*	-	-	*
Hertfordshire	12	-	-	-	12
Buckinghamshire	*	-	-	-	*
Surrey	*	-	-	-	*
Kent	*	-	-	-	*
East Sussex	*	-	-	-	*
West Sussex	315	-	-	-	315
Hampshire	*	-	-	*	*
Greater London	-	-	*	-	*
Gloucestershire	*	-	16	*	53
Wiltshire	-	-	11	-	11
Avon	*	-	-	-	*
Dorset	*	-	-	-	*
Devon	-	-	1	-	1
Cornwall	-	-	-	-	-
<b>England</b>	*	*	*	<b>23</b>	<b>5,298</b>
Clwyd	*	-	5	-	*
Dyfed	-	-	*	-	*
Powys	-	-	*	-	*
<b>Wales</b>	*	-	*	-	<b>141</b>
North East Scotland	-	-	*	-	*
West Central Scotland	*	-	-	-	*
East Central Scotland	-	*	-	-	*
<b>Scotland</b>	*	*	*	-	<b>57</b>
<b>Great Britain</b>	<b>3,569</b>	<b>1,415</b>	<b>491</b>	<b>23</b>	<b>5,497</b>

**TABLE 9 - CHALK**  
**Extractors' sales by end-use and area of origin, 2012**

**PA1007**

Thousand tonnes

Area of origin	Cement	Other Constructional	Agricultural uses	Industrial uses	Total
Humberside	*	205	57	*	1,665
Lincolnshire	-	*	*	-	*
Cambridgeshire	-	-	*	*	*
Norfolk	-	-	*	-	*
Suffolk	-	-	29	-	29
Essex	-	-	7	-	7
Hertfordshire	-	-	25	-	25
Bedfordshire	*	-	-	-	*
Kent	-	*	*	-	101
West Sussex	-	-	*	-	*
Hampshire	-	-	*	-	*
Isle of Wight	-	*	*	-	*
Devon	-	-	*	-	*
<b>England</b>	*	<b>327</b>	*	*	<b>3,473</b>

NB Only those parts of GB producing chalk are identified

**TABLE 10 - FIRECLAY** **PA1007**  
**Extractors' totals sales by area of origin, 2012**

Thousand tonnes

Area of origin	Total
Northumberland	*
West Yorkshire	-
Lancashire	*
Shropshire	*
Leicestershire	*
<b>England</b>	*
West Central Scotland	*
<b>Scotland</b>	*
<b>Great Britain</b>	<b>96</b>

**TABLE 11 - ORE MINERALS**  
**Extractors' sales by end-use and area of origin, 2012**

**PA1007**  
 Thousand tonnes

Mineral	Area of origin	Estimated recoverable mineral & metal content
<b>Iron</b> - (Crude ore sold in tonnes)	Cumbria, Gloucestershire	-
<b>Other Ore Minerals</b> ( Total crude ore sold in tonnes)	Cornwall, Derbyshire Tayside & Fife	*
<b>Barium sulphate</b>	Derbyshire, Tayside & Fife	*
<b>Calcium fluoride</b>	Derbyshire	*
<b>Lead</b>	Derbyshire	-



**TABLE 12 - OTHER MINERALS**  
**Extractors' sales by end-use and area of origin, 2012**

**PA1007**  
 Thousand tonnes

Mineral	Area of origin	Sales	
Ball clay	Dorset, Devon	*	
Chert and Flint	Surrey, Hampshire	*	
China clay	Devon, Cornwall	*	
Gypsum	Cumbria, Staffordshire, Leicestershire, Nottinghamshire, East Sussex	*	
Potash (refined)	Cleveland	*	
Rock salt	Cleveland, Cheshire	6,152	
Salt from brine			
Salt in brine			
Silica stone	Durham	*	
Slate (includes some "roofing stone")	Northumberland, Cumbria, Gloucestershire, Somerset, Devon, Cornwall, Clwyd, Gwynedd Dyfed, West Central Scotland, East Central Scotland, Highlands	701	(a)
Soapstone & Talc	Shetland	*	

(a) Roofing and vertically hanging slates, includes 'true' slate and stone slates produced from thinly bedded sandstones and limestones. Also includes 'true' and stone slates sold as sawn slabs for decorative cladding.  
 Roofing (including roofing slates used vertically) 17 ; Cladding and other decorative uses 7 ; Powder and granules 26 ; Crude Blocks 32 ; Fill and other uses 618.

**TABLE 13 - ALL MINERALS**  
Employment by mineral and area, 2012

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Cleveland	-	2	-	-	-	7	-	-	-	-	951	960
Durham	-	45	8	9	31	444	-	2	-	-	2	541
Northumberland	-	79	31	270	-	-	-	-	-	-	-	380
Tyne & Wear	-	1	-	-	-	41	-	7	-	-	-	49
Humberside	5	106	-	-	35	-	210	24	-	-	-	380
North Yorkshire	-	306	416	-	752	14	-	5	-	-	-	1,493
South Yorkshire	-	344	2	-	59	163	-	3	-	-	-	571
West Yorkshire	-	46	278	-	1	-	-	30	1	-	-	356
Derbyshire	-	171	137	-	1,253	190	-	24	-	-	38	1,813
Leicestershire	-	301	-	891	140	-	-	68	27	-	1	1,428
Lincolnshire	1	179	-	-	146	-	36	-	-	-	-	362
Northamptonshire	-	20	2	-	16	-	-	-	-	-	-	38
Nottinghamshire	-	432	-	-	-	-	-	1	-	-	36	469
Cumbria	-	248	34	44	707	-	-	1	-	203	170	1,407
Cheshire	118	351	39	-	-	-	-	1	-	1	710	1,220
Greater Manchester	-	46	16	-	-	-	-	12	-	13	-	87
Lancashire	-	13	114	-	190	-	-	13	-	37	-	367
Merseyside	-	1	-	-	-	-	-	-	-	-	-	1
Hereford	-	90	39	-	3	-	-	-	-	-	-	132
Worcester	5	79	-	-	-	-	-	1	-	-	-	85
Shropshire	-	154	248	99	40	-	-	7	4	1	-	553
Staffordshire	1	497	6	-	126	-	-	58	-	-	1	689
Warwickshire	-	38	-	110	-	-	-	25	-	-	-	173
West Midlands	1	75	-	-	-	-	-	7	-	-	-	83
Essex	1	567	-	-	-	-	1	2	-	-	-	571
Bedfordshire	-	371	-	-	-	-	26	1	-	-	-	398
Hertfordshire	-	176	-	-	-	-	44	2	-	-	-	222
Cambridgeshire	-	263	-	-	38	-	31	6	-	-	-	338
Norfolk	1	154	9	-	-	-	7	-	-	-	-	171
Suffolk	-	224	-	-	-	-	6	-	-	-	-	230
Berkshire	-	222	-	-	-	-	-	-	-	-	-	222
Buckinghamshire	-	154	-	-	4	-	-	2	-	-	-	160
East Sussex	-	2	-	-	-	-	-	18	-	-	1	21
Greater London	-	96	-	-	-	-	-	3	-	-	-	99
Hampshire	-	306	-	-	-	-	12	1	-	-	-	319
Isle of Wight	-	22	-	-	-	-	13	-	-	-	-	35
Kent	-	118	-	-	92	-	156	6	-	-	-	372
Oxfordshire	-	277	1	-	67	-	-	-	-	-	-	345
Surrey	6	90	-	-	-	-	-	57	-	-	-	153
West Sussex	-	6	20	-	-	-	6	78	-	-	-	110
Avon	-	2	-	-	275	-	-	5	-	-	-	282
Cornwall	3	45	132	144	-	-	-	1	-	-	228	553
Devon	-	101	25	2	668	-	6	3	-	-	19	824
Dorset	-	196	1	-	162	-	-	1	-	-	5	365
Gloucestershire	-	282	16	-	341	-	-	88	-	-	44	771
Somerset	-	9	1	139	440	-	-	-	-	43	-	632
Wiltshire	-	161	-	-	14	-	-	51	-	-	-	226
<b>England</b>	<b>142</b>	<b>7,468</b>	<b>1,575</b>	<b>1,708</b>	<b>5,600</b>	<b>859</b>	<b>554</b>	<b>614</b>	<b>32</b>	<b>298</b>	<b>2,206</b>	<b>21,056</b>
Clwyd	-	108	1	-	359	-	-	3	-	-	6	477
Dyfed	-	68	29	126	218	2	-	1	-	-	1	445
Gwent	-	2	29	-	23	-	-	-	-	-	-	54
Gwynedd	-	19	-	422	26	-	-	-	-	-	245	712
Mid Glamorgan	-	-	74	-	449	21	-	-	-	-	-	544
Powys	-	1	403	542	-	-	-	8	-	-	-	954
South Glamorgan	-	2	-	-	33	-	-	-	-	-	-	35
West Glamorgan	-	1	52	-	-	-	-	-	-	-	-	53
<b>Wales</b>	<b>-</b>	<b>201</b>	<b>588</b>	<b>1,090</b>	<b>1,108</b>	<b>23</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>252</b>	<b>3,274</b>
East Central Scotland	-	39	-	125	26	-	-	-	-	9	-	199
Highlands	-	63	71	185	11	7	-	-	-	2	-	339
North East Scotland	-	234	24	472	21	-	-	1	-	7	-	759
Orkney Isles	-	3	141	-	1	-	-	-	-	4	-	149
Shetland Isles	-	5	19	75	-	-	-	-	-	2	1	102
South Of Scotland	-	164	260	137	4	-	-	-	-	27	-	592
Tayside & Fife	45	129	3	141	9	-	-	-	-	-	24	351
West Central Scotland	-	324	75	631	8	-	-	4	-	42	1	1,085
Western Isles	-	20	-	21	-	-	-	-	-	-	-	41
<b>Scotland</b>	<b>45</b>	<b>981</b>	<b>593</b>	<b>1,787</b>	<b>80</b>	<b>7</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>93</b>	<b>26</b>	<b>3,617</b>
<b>Great Britain</b>	<b>187</b>	<b>8,650</b>	<b>2,756</b>	<b>4,585</b>	<b>6,788</b>	<b>889</b>	<b>554</b>	<b>631</b>	<b>32</b>	<b>391</b>	<b>2,484</b>	<b>27,956</b>

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

(a) Sand and gravel for construction: employment in quarries only

TABLE 14 - ALL MINERALS  
Direct Employment by mineral and area, 2012

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Cleveland	-	2	-	-	-	7	-	-	-	-	905	914
Durham	-	4	8	9	29	199	-	2	-	-	1	252
Northumberland	-	21	14	43	-	-	-	-	-	-	-	78
Tyne & Wear	-	1	-	-	-	26	-	1	-	-	-	28
Humberside	2	49	-	-	4	-	157	24	-	-	-	236
North Yorkshire	-	73	44	-	132	10	-	5	-	-	-	264
South Yorkshire	-	22	2	-	23	17	-	2	-	-	-	66
West Yorkshire	-	14	206	-	1	-	-	8	1	-	-	230
Cumbria	-	35	23	41	109	-	-	1	-	91	168	468
Cheshire	41	18	19	-	-	-	-	1	-	1	122	202
Greater Manchester	-	7	7	-	-	-	-	3	-	10	-	27
Lancashire	-	8	51	-	46	-	-	5	-	37	-	147
Merseyside	-	1	-	-	-	-	-	-	-	-	-	1
Hereford	-	6	22	-	1	-	-	-	-	-	-	29
Worcester	3	15	-	-	-	-	-	1	-	-	-	19
Shropshire	-	91	44	55	5	-	-	3	1	1	-	200
Staffordshire	1	108	6	-	27	-	-	17	-	-	1	160
Warwickshire	-	14	-	22	3	-	-	4	-	-	-	43
West Midlands	1	13	-	-	-	-	-	5	-	-	-	19
Derbyshire	-	35	107	-	395	68	-	3	-	-	17	625
Leicestershire	-	60	-	339	58	-	-	54	3	-	1	515
Lincolnshire	1	73	-	-	61	-	10	-	-	-	-	145
Northamptonshire	-	1	2	-	6	-	-	-	-	-	-	9
Nottinghamshire	-	92	-	-	-	-	-	1	-	-	2	95
Essex	1	75	-	-	-	-	1	2	-	-	-	79
Bedfordshire	-	55	-	-	-	-	12	1	-	-	-	68
Hertfordshire	-	82	-	-	-	-	25	2	-	-	-	109
Cambridgeshire	-	33	-	-	11	-	18	6	-	-	-	68
Norfolk	1	77	7	-	-	-	7	-	-	-	-	92
Suffolk	-	62	-	-	-	-	6	-	-	-	-	68
Berkshire	-	34	-	-	-	-	-	-	-	-	-	34
Buckinghamshire	-	30	-	-	3	-	-	2	-	-	-	35
East Sussex	-	2	-	-	-	-	-	18	-	-	1	21
Greater London	-	46	-	-	-	-	-	1	-	-	-	47
Hampshire	-	44	-	-	-	-	4	1	-	-	-	49
Isle of Wight	-	22	-	-	-	-	4	-	-	-	-	26
Kent	-	45	-	-	40	-	80	5	-	-	-	170
Oxfordshire	-	38	1	-	14	-	-	-	-	-	-	53
Surrey	6	18	-	-	-	-	-	48	-	-	-	72
West Sussex	-	6	15	-	-	-	4	72	-	-	-	97
Avon	-	2	-	-	80	-	-	4	-	-	-	86
Cornwall	3	13	20	88	-	-	-	1	-	-	156	281
Devon	-	20	15	2	207	-	2	2	-	-	18	266
Dorset	-	64	1	-	118	-	-	1	-	-	5	189
Gloucestershire	-	30	12	-	173	-	-	64	-	-	35	314
Somerset	-	9	1	63	198	-	-	-	-	36	-	307
Wiltshire	-	35	-	-	13	-	-	1	-	-	-	49
<b>England</b>	<b>60</b>	<b>1,605</b>	<b>627</b>	<b>662</b>	<b>1,757</b>	<b>327</b>	<b>330</b>	<b>371</b>	<b>5</b>	<b>176</b>	<b>1,432</b>	<b>7,352</b>
Clwyd	-	19	1	-	82	-	-	3	-	-	5	110
Dyfed	-	51	7	34	57	1	-	1	-	-	1	152
Gwent	-	2	15	-	13	-	-	-	-	-	-	30
Gwynedd	-	13	-	42	16	-	-	-	-	-	207	278
Mid Glamorgan	-	-	20	-	87	8	-	-	-	-	-	115
Powys	-	1	79	28	-	-	-	7	-	-	-	115
South Glamorgan	-	2	-	-	19	-	-	-	-	-	-	21
West Glamorgan	-	1	45	-	-	-	-	-	-	-	-	46
<b>Wales</b>	<b>-</b>	<b>89</b>	<b>167</b>	<b>104</b>	<b>274</b>	<b>9</b>	<b>-</b>	<b>11</b>	<b>-</b>	<b>-</b>	<b>213</b>	<b>867</b>
East Central Scotland	-	19	-	30	25	-	-	-	-	6	-	80
Highlands	-	33	34	156	9	4	-	-	-	2	-	238
North East Scotland	-	73	12	83	8	-	-	1	-	5	-	182
Orkney Isles	-	3	19	-	1	-	-	-	-	4	-	27
Shetland Isles	-	2	10	24	-	-	-	-	-	2	1	39
South Of Scotland	-	37	69	34	4	-	-	-	-	24	-	168
Tayside & Fife	40	70	2	77	7	-	-	-	-	-	17	213
West Central Scotland	-	99	19	255	5	-	-	3	-	20	1	402
Western Isles	-	9	-	15	-	-	-	-	-	-	-	24
<b>Scotland</b>	<b>40</b>	<b>345</b>	<b>165</b>	<b>674</b>	<b>59</b>	<b>4</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>63</b>	<b>19</b>	<b>1,373</b>
<b>Great Britain</b>	<b>100</b>	<b>2,039</b>	<b>959</b>	<b>1,440</b>	<b>2,090</b>	<b>340</b>	<b>330</b>	<b>386</b>	<b>5</b>	<b>239</b>	<b>1,664</b>	<b>9,592</b>

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

(a) Sand and gravel for construction: employment in quarries only

TABLE 15 - ALL MINERALS

PA1007

## Contractors Employed by mineral and area, 2012

Area	Mineral										Total number	
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat		Ore & other minerals
Cleveland	-	-	-	-	-	-	-	-	-	-	46	46
Durham	-	-	-	-	-	31	-	-	-	-	-	31
Northumberland	-	5	10	97	-	-	-	-	-	-	-	112
Tyne & Wear	-	-	-	-	-	3	-	4	-	-	-	7
Humberside	1	-	-	-	-	-	11	-	-	-	-	12
North Yorkshire	-	56	270	-	290	2	-	-	-	-	-	618
South Yorkshire	-	245	-	-	8	8	-	1	-	-	-	262
West Yorkshire	-	1	33	-	-	-	-	10	-	-	-	44
Cumbria	-	10	4	1	421	-	-	-	-	1	-	437
Cheshire	2	162	2	-	-	-	-	-	-	-	12	178
Greater Manchester	-	4	3	-	-	-	-	-	-	1	-	8
Lancashire	-	-	5	-	11	-	-	2	-	-	-	18
Hereford	-	1	5	-	-	-	-	-	-	-	-	6
Worcester	-	2	-	-	-	-	-	-	-	-	-	2
Shropshire	-	15	8	22	2	-	-	1	-	-	-	48
Staffordshire	-	177	-	-	3	-	-	10	-	-	-	190
Warwickshire	-	1	-	2	-	-	-	6	-	-	-	9
West Midlands	-	2	-	-	-	-	-	-	-	-	-	2
Derbyshire	-	109	11	-	71	1	-	11	-	-	10	213
Leicestershire	-	22	-	69	1	-	-	4	4	-	-	100
Lincolnshire	-	33	-	-	4	-	-	-	-	-	-	37
Nottinghamshire	-	16	-	-	-	-	-	-	-	-	30	46
Northamptonshire	-	19	-	-	-	-	-	-	-	-	-	19
Essex	-	298	-	-	-	-	-	-	-	-	-	298
Bedfordshire	-	10	-	-	-	-	13	-	-	-	-	23
Cambridgeshire	-	191	-	-	2	-	1	-	-	-	-	194
Norfolk	-	12	-	-	-	-	-	-	-	-	-	12
Suffolk	-	9	-	-	-	-	-	-	-	-	-	9
Hertfordshire	-	23	-	-	-	-	3	-	-	-	-	26
Berkshire	-	38	-	-	-	-	-	-	-	-	-	38
Buckinghamshire	-	68	-	-	-	-	-	-	-	-	-	68
East Sussex	-	-	-	-	-	-	-	-	-	-	-	-
Greater London	-	10	-	-	-	-	-	-	-	-	-	10
Hampshire	-	12	-	-	-	-	1	-	-	-	-	13
Isle of Wight	-	-	-	-	-	-	2	-	-	-	-	2
Kent	-	9	-	-	-	-	2	1	-	-	-	12
Oxfordshire	-	14	-	-	6	-	-	-	-	-	-	20
Surrey	-	4	-	-	-	-	-	1	-	-	-	5
West Sussex	-	-	2	-	-	-	-	4	-	-	-	6
Avon	-	-	-	-	62	-	-	1	-	-	-	63
Cornwall	-	2	1	18	-	-	-	-	-	-	5	26
Devon	-	31	9	-	7	-	-	1	-	-	-	48
Dorset	-	57	-	-	8	-	-	-	-	-	-	65
Gloucestershire	-	2	1	-	21	-	-	-	-	-	6	30
Somerset	-	-	-	9	80	-	-	-	-	1	-	90
Wiltshire	-	5	-	-	1	-	-	-	-	-	-	6
<b>England</b>	<b>3</b>	<b>1,675</b>	<b>364</b>	<b>218</b>	<b>998</b>	<b>45</b>	<b>33</b>	<b>57</b>	<b>4</b>	<b>3</b>	<b>109</b>	<b>3,509</b>
Clwyd	-	5	-	-	107	-	-	-	-	-	-	112
Dyfed	-	3	1	9	19	-	-	-	-	-	-	32
Gwynedd	-	-	-	252	-	-	-	-	-	-	6	258
Mid Glamorgan	-	-	44	-	223	1	-	-	-	-	-	268
Gwent	-	-	2	-	-	-	-	-	-	-	-	2
Powys	-	-	10	513	-	-	-	-	-	-	-	523
South Glamorgan	-	-	-	-	8	-	-	-	-	-	-	8
West Glamorgan	-	-	4	-	-	-	-	-	-	-	-	4
<b>Wales</b>	<b>-</b>	<b>8</b>	<b>61</b>	<b>774</b>	<b>357</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>1,207</b>
East Central Scotland	-	-	-	6	1	-	-	-	-	-	-	7
Highlands	-	5	1	1	-	-	-	-	-	-	-	7
North East Scotland	-	1	3	3	-	-	-	-	-	2	-	9
Orkney Isles	-	-	-	-	-	-	-	-	-	-	-	-
Shetland Isles	-	1	1	2	-	-	-	-	-	-	-	4
South Of Scotland	-	2	7	2	-	-	-	-	-	1	-	12
Tayside & Fife	2	6	-	1	-	-	-	-	-	-	1	10
West Central Scotland	-	7	-	23	-	-	-	1	-	10	-	41
Western Isles	-	1	-	3	-	-	-	-	-	-	-	4
<b>Scotland</b>	<b>2</b>	<b>23</b>	<b>12</b>	<b>41</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>13</b>	<b>1</b>	<b>94</b>
<b>Great Britain</b>	<b>5</b>	<b>1,706</b>	<b>437</b>	<b>1,033</b>	<b>1,356</b>	<b>46</b>	<b>33</b>	<b>58</b>	<b>4</b>	<b>16</b>	<b>116</b>	<b>4,810</b>

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

(a) Sand and gravel for construction: employment in quarries only

**TABLE 16 - ALL MINERALS**  
Drivers on site in an average week by mineral and area, 2012

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Durham	-	41	-	-	2	214	-	-	-	-	1	258
Northumberland	-	53	7	130	-	-	-	-	-	-	-	190
Tyne & Wear	-	-	-	-	-	12	-	2	-	-	-	14
Humberside	2	57	-	-	31	-	42	-	-	-	-	132
North Yorkshire	-	177	102	-	330	2	-	-	-	-	-	611
South Yorkshire	-	77	-	-	28	138	-	-	-	-	-	243
West Yorkshire	-	31	39	-	-	-	-	12	-	-	-	82
Cumbria	-	203	7	2	177	-	-	-	-	111	2	502
Cheshire	75	171	18	-	-	-	-	-	-	-	576	840
Greater Manchester	-	35	6	-	-	-	-	9	-	2	-	52
Lancashire	-	5	58	-	133	-	-	6	-	-	-	202
Hereford	-	83	12	-	2	-	-	-	-	-	-	97
Worcester	2	62	-	-	-	-	-	-	-	-	-	64
Shropshire	-	48	196	22	33	-	-	3	3	-	-	305
Staffordshire	-	212	-	-	96	-	-	31	-	-	-	339
Warwickshire	-	23	-	86	6	-	-	15	-	-	-	130
West Midlands	-	60	-	-	-	-	-	2	-	-	-	62
Derbyshire	-	27	19	-	787	121	-	10	-	-	11	975
Leicestershire	-	219	-	483	81	-	-	10	20	-	-	813
Lincolnshire	-	73	-	-	81	-	26	-	-	-	-	180
Northamptonshire	-	-	-	-	10	-	-	-	-	-	-	10
Nottinghamshire	-	324	-	-	-	-	-	-	-	-	4	328
Essex	-	194	-	-	-	-	-	-	-	-	-	194
Bedfordshire	-	306	-	-	-	-	1	-	-	-	-	307
Hertfordshire	-	71	-	-	-	-	16	-	-	-	-	87
Cambridgeshire	-	39	-	-	25	-	12	-	-	-	-	76
Norfolk	-	65	2	-	-	-	-	-	-	-	-	67
Suffolk	-	153	-	-	-	-	-	-	-	-	-	153
Berkshire	-	150	-	-	-	-	-	-	-	-	-	150
Buckinghamshire	-	56	-	-	1	-	-	-	-	-	-	57
Greater London	-	40	-	-	-	-	-	2	-	-	-	42
Hampshire	-	250	-	-	-	-	7	-	-	-	-	257
Isle of Wight	-	-	-	-	-	-	7	-	-	-	-	7
Kent	-	64	-	-	52	-	74	-	-	-	-	190
Oxfordshire	-	225	-	-	47	-	-	-	-	-	-	272
Surrey	-	68	-	-	-	-	-	8	-	-	-	76
West Sussex	-	-	3	-	-	-	2	2	-	-	-	7
Avon	-	-	-	-	133	-	-	-	-	-	-	133
Cornwall	-	30	111	38	-	-	-	-	-	-	67	246
Devon	-	50	1	-	454	-	4	-	-	-	1	510
Dorset	-	75	-	-	36	-	-	-	-	-	-	111
Gloucestershire	-	250	3	-	147	-	-	24	-	-	3	427
Somerset	-	-	-	67	162	-	-	-	-	6	-	235
Wiltshire	-	121	-	-	-	-	-	50	-	-	-	171
<b>England</b>	<b>79</b>	<b>4,188</b>	<b>584</b>	<b>828</b>	<b>2,854</b>	<b>487</b>	<b>191</b>	<b>186</b>	<b>23</b>	<b>119</b>	<b>665</b>	<b>10,204</b>
Clwyd	-	84	-	-	170	-	-	-	-	-	1	255
Dyfed	-	14	21	83	142	1	-	-	-	-	-	261
Gwent	-	-	12	-	10	-	-	-	-	-	-	22
Gwynedd	-	6	-	128	10	-	-	-	-	-	32	176
Mid Glamorgan	-	-	10	-	139	12	-	-	-	-	-	161
Powys	-	-	314	1	-	-	-	1	-	-	-	316
South Glamorgan	-	-	-	-	6	-	-	-	-	-	-	6
West Glamorgan	-	-	3	-	-	-	-	-	-	-	-	3
<b>Wales</b>	<b>-</b>	<b>104</b>	<b>360</b>	<b>212</b>	<b>477</b>	<b>13</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>33</b>	<b>1,200</b>
East Central Scotland	-	20	-	89	-	-	-	-	-	3	-	112
Highlands	-	25	36	28	2	3	-	-	-	-	-	94
North East Scotland	-	160	9	386	13	-	-	-	-	-	-	568
Orkney Isles	-	-	122	-	-	-	-	-	-	-	-	122
Shetland Isles	-	2	8	49	-	-	-	-	-	-	-	59
South Of Scotland	-	125	184	101	-	-	-	-	-	2	-	412
Tayside & Fife	3	53	1	63	2	-	-	-	-	-	6	128
West Central Scotland	-	218	56	353	3	-	-	-	-	12	-	642
Western Isles	-	10	-	3	-	-	-	-	-	-	-	13
<b>Scotland</b>	<b>3</b>	<b>613</b>	<b>416</b>	<b>1,072</b>	<b>20</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17</b>	<b>6</b>	<b>2,150</b>
<b>Great Britain</b>	<b>82</b>	<b>4,905</b>	<b>1,360</b>	<b>2,112</b>	<b>3,351</b>	<b>503</b>	<b>191</b>	<b>187</b>	<b>23</b>	<b>136</b>	<b>704</b>	<b>13,554</b>

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

(a) Sand and gravel for construction: employment in quarries only