



Department for  
Communities and  
Local Government

# Mineral extraction in Great Britain 2014

Business Monitor PA1007

March 2016  
ONS

Department for Communities and Local Government



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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.**

**2014**

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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 7 September 2014 (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.

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 East
	Cheshire West
	Chester
	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
Herefordshire	Herefordshire
Worcestershire	Worcestershire
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 , 2014**

**PA1007**

Thousand tonnes

Mineral	Constructional uses (b)	Cement	Agricultural uses	Industrial uses (a)	Total
Limestone	49,212	*	*	5,403	<b>62,640</b>
Dolomite	2,236	-	*	*	<b>3,730</b>
Chalk	423	*	*	*	<b>3,312</b>
<b>Total</b>	<b>51,871</b>	<b>8,778</b>	<b>1,553</b>	<b>7,480</b>	<b>69,682</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, 2014 (a)**

Thousand tonnes

Use	Limestone	Dolomite	Chalk	Total	Of which for conversion by calcination
Agricultural / horticultural	*	*	*	<b>1,530</b>	-
Iron and steel	*	-	*	<b>3,986</b>	*
Glass making	*	*	-	<b>156</b>	-
Asphalt filler	156	-	-	<b>156</b>	-
Other specialised fillers	*	-	*	<b>934</b>	-
Chemical use	*	-	*	<b>623</b>	*
Building materials	*	-	*	<b>503</b>	-
Water & effluent treatment & pollution control	*	-	*	<b>1,144</b>	*
<b>Total</b>	<b>6,359</b>	<b>1,494</b>	<b>1,180</b>	<b>9,033</b>	<b>2,441</b>

(a) Includes material for calcination

TABLE 1 - INDUSTRIAL SAND

PA1007

Extractors' sales by end-use and area of origin, 2014

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		
North Yorkshire	-	-	*	*	*
Humberside	*	*	*	*	*
Cumbria	-	-	-	*	*
Cheshire	284	*	353	*	1052
Staffordshire	-	-	-	*	*
West Midlands	-	-	-	*	*
Herefordshire	-	-	-	*	*
Worcestershire	*	-	-	*	*
Nottinghamshire	*	-	*	*	*
Lincolnshire	-	-	*	*	*
Cambridgeshire	-	-	*	-	*
Norfolk	-	*	*	*	*
Suffolk	*	-	-	-	*
Essex	-	-	*	-	*
Bedfordshire	*	-	*	*	*
Surrey	*	*	*	*	*
Kent	-	-	*	*	*
West Sussex	-	-	-	*	*
Gloucestershire	-	-	-	*	*
Wiltshire	-	-	-	*	*
Dorset	-	-	*	-	*
Devon	-	-	*	*	*
Cornwall	-	-	-	*	*
<b>England</b>	*	*	-	<b>1,232</b>	<b>3,630</b>
Clwyd	-	-	-	*	*
Dyfed	-	-	-	*	*
<b>Wales</b>	-	-	-	*	*
West Central Scotland	-	*	*	*	*
East Central Scotland	-	-	-	*	*
Tayside and Fife	-	*	*	*	*
<b>Scotland</b>	-	*	*	*	*
<b>Great Britain</b>	*	*	<b>982</b>	<b>1,394</b>	<b>3,948</b>

TABLE 2 - SAND &amp; GRAVEL FOR CONSTRUCTION

PA1007

Extractors' sales by end-use and area of origin, 2014

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	*	*	*	-	*	*	*	*	-
Durham	*	*	*	-	-	-	-	*	-
Cleveland	-	-	* †	-	-	* †	* †	* †	*
North Yorkshire	*	*	669	*	669	494	*	1,719	-
West Yorkshire	-	*	-	-	-	-	*	*	-
South Yorkshire	14	*	*	-	*	*	*	831	-
Humberside	* †	298	* †	-	47 †	* †	71 †	867 †	*
Lancashire	-	*	*	-	-	*	-	255	-
Cumbria	*	187	192	-	*	22	22	450	-
Greater Manchester	-	-	-	-	-	-	*	*	-
Cheshire	*	384	408	-	-	*	*	1,081	-
Merseyside	-	* †	* †	-	-	-	-	* †	*
Shropshire	*	82	456	-	189	*	*	940	-
Staffordshire	*	193	1,120	*	1,249	566	*	3,940	-
West Midlands	-	*	*	-	*	*	*	*	-
Warwickshire	*	*	*	-	*	*	*	293	-
Herefordshire	*	*	*	*	*	*	*	*	-
Worcestershire	*	*	*	-	*	*	*	537	-
Derbyshire	-	*	*	-	*	*	*	*	-
Northamptonshire	*	*	*	-	*	*	*	*	-
Leicestershire	*	*	*	*	*	*	-	*	-
Nottinghamshire	*	*	437	*	*	*	*	1,150	-
Lincolnshire	*	82	697	*	407	362	348	1,957	-
Cambridgeshire	*	*	673	*	*	329	*	1,859	-
Norfolk	*	*	395	*	299	213	107	1,148	-
Suffolk	*	141	386 †	-	204 †	185 †	* †	1,000 †	*
Essex	*	402	980 †	* †	763 †	* †	* †	2,948 †	*
Hertfordshire	-	*	*	-	*	*	*	*	-
Bedfordshire	*	*	*	-	*	*	*	847	-
Buckinghamshire	-	*	143	-	*	-	*	380	-
Oxfordshire	-	*	*	-	*	33	*	1,137	-
Berkshire	-	*	230	-	364	83	*	770	-
Surrey	*	423	836	-	*	*	*	1,749	-
Kent	*	422 †	1,430 †	-	1,100 †	456 †	* †	3,667 †	2,212
East Sussex	-	* †	* †	-	* †	* †	* †	* †	*
West Sussex	* †	* †	* †	-	* †	* †	* †	* †	*
Hampshire	* †	* †	613 †	-	840 †	376 †	163 †	2,117 †	1,264
Isle of Wight	*	* †	* †	-	* †	* †	* †	146 †	*
Greater London	-	74 †	* †	-	2,945 †	* †	* †	5,288 †	4,831
Gloucestershire	-	*	*	-	*	*	64	*	-
Wiltshire	*	*	315	*	*	*	*	695	-
Avon	* †	* †	* †	-	* †	-	* †	* †	*
Somerset	-	-	*	*	*	*	*	*	-
Dorset	* †	*	1001 †	-	* †	* †	* †	1,451 †	*
Devon	-	*	390 †	*	124 †	* †	71	760 †	*
Cornwall	-	*	*	-	-	-	*	*	-
<b>England</b>	<b>* †</b>	<b>4,954 †</b>	<b>19,640 †</b>	<b>* †</b>	<b>11,888 †</b>	<b>5,461 †</b>	<b>6,567 †</b>	<b>49,470 †</b>	<b>10,685</b>
Clwyd	*	*	*	-	*	*	*	*	-
Gwynedd	-	* †	* †	-	*	*	-	* †	*
Dyfed	*	185 †	75 †	-	*	15 †	- †	305 †	*
West Glamorgan	* †	* †	* †	-	-	* †	* †	* †	*
South Glamorgan	-	* †	* †	-	40 †	* †	* †	* †	*
Gwent	-	* †	* †	-	-	-	-	* †	*
Powys	-	*	-	-	-	-	*	*	-
<b>Wales</b>	<b>* †</b>	<b>420 †</b>	<b>707 †</b>	<b>-</b>	<b>188 †</b>	<b>190 †</b>	<b>* †</b>	<b>1,548 †</b>	<b>647,039</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							
South of Scotland	*	46	132	*	123	63	*	459	-
West Central Scotland	*	158	815	*	*	405	*	1,701	-
East Central Scotland	*	*	150	-	*	*	*	416	-
Tayside and Fife	*	77	418	-	377	*	114	1,151	-
North East Scotland	*	52	344	*	182	102	213	949	-
Highlands	20	*	119	*	98	60	51	396	-
Western Isles	-	2	*	-	*	1	1	12	-
Orkney	-	*	*	-	-	-	*	*	-
Shetland	-	*	-	-	-	-	*	*	-
<b>Scotland</b>	*	<b>416</b>	<b>1,988</b>	*	<b>969</b>	<b>904</b>	*	<b>5,111</b>	-
<b>Great Britain</b>	<b>1,170</b> †	<b>5,790</b> †	<b>22,335</b> †	<b>181</b> †	<b>13,046</b> †	<b>6,555</b> †	<b>7,052</b> †	<b>56,129</b> †	<b>11,332</b>
<b>Marine Dredged</b>	*	<b>573</b>	<b>4,832</b>	*	<b>4,754</b>	<b>771</b>	*	<b>11,332</b>	-

† Includes marine dredged material

See also note 6

Table 3 - SANDSTONE

PA1007

## Extractors' sales by end-use and area of origin, 2014

Thousand tonnes

Area of origin	Roadstone					Concrete Aggregates	Other screened and graded	Rail Ballast	Other constructional uses	Armourstone & Gabion	Industrial Uses	Total
	Building stone	For asphalt on site	For asphalt off site	Uncoated roadstone	Surface dressing chippings							
Northumberland	10	-	-	*	-	-	-	-	*	-	-	57
Durham	*	-	-	-	-	-	-	-	-	-	-	*
North Yorkshire	*	-	*	-	-	*	*	-	*	-	-	*
West Yorkshire	38	*	-	*	-	-	19	-	8	*	-	*
South Yorkshire	*	-	-	-	-	-	-	-	-	-	-	*
Lancashire	*	*	-	-	-	-	-	-	*	-	-	*
Cumbria	10	-	*	-	-	-	-	-	*	*	-	*
Gtr Manchester	*	*	-	-	-	-	-	-	-	-	-	*
Cheshire	2	-	-	-	-	*	-	-	*	-	-	98
Shropshire	*	*	*	*	*	*	*	-	*	*	*	*
Staffordshire	*	-	-	-	-	-	-	-	-	-	-	*
West Midlands	-	-	-	-	-	-	-	-	*	-	-	*
Herefordshire	2	*	-	*	-	*	*	-	*	*	-	*
Derbyshire	70	-	-	-	-	-	-	-	-	*	-	70
Northamptonshire	-	-	-	-	-	-	-	-	*	-	-	*
Norfolk	-	-	-	-	-	-	-	-	*	*	-	*
West Sussex	*	-	-	-	-	-	-	-	*	-	-	*
Gloucestershire	*	-	-	-	-	-	-	-	*	-	-	15
Somerset	*	-	-	-	-	-	-	-	-	-	-	*
Dorset	*	-	-	-	-	-	-	-	-	-	-	*
Devon	2	*	*	-	-	-	*	-	*	*	-	356
Cornwall	1	5	31	-	-	-	17	-	38	-	-	91
<b>England</b>	<b>252</b>	<b>*</b>	<b>981</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>836</b>	<b>22</b>	<b>*</b>	<b>4,450</b>
Clwyd	-	-	-	*	-	-	*	-	*	-	-	*
Dyfed	-	*	-	*	-	-	*	-	*	-	-	*
West Glamorgan	*	-	*	*	-	-	*	-	*	-	-	*
Mid Glamorgan	-	-	*	-	-	*	*	-	*	-	-	*
Gwent	*	-	-	-	-	-	-	-	-	-	-	*
Powys	*	*	*	*	*	*	*	-	*	*	*	*
<b>Wales</b>	<b>11</b>	<b>*</b>	<b>1,303</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>326</b>	<b>*</b>	<b>*</b>	<b>2,521</b>
South of Scotland	*	*	*	543	*	*	332	-	429	*	-	1,581
West Central Scotland	*	*	*	*	*	*	*	-	177	*	-	592
Tayside and Fife	*	-	-	-	-	-	-	-	-	-	-	*
North East Scotland	*	-	-	*	-	-	*	-	*	-	-	74
Highlands	-	*	-	*	*	*	*	-	*	*	-	318
Orkney	*	*	-	*	*	*	*	-	*	*	-	*
Shetland	*	-	-	*	-	*	*	-	-	-	-	*
<b>Scotland</b>	<b>23</b>	<b>*</b>	<b>189</b>	<b>741</b>	<b>*</b>	<b>381</b>	<b>572</b>	<b>-</b>	<b>668</b>	<b>*</b>	<b>-</b>	<b>2,766</b>
<b>Great Britain</b>	<b>286</b>	<b>1,654</b>	<b>2,473</b>	<b>1,150</b>	<b>211</b>	<b>710</b>	<b>1,361</b>	<b>-</b>	<b>1,830</b>	<b>*</b>	<b>*</b>	<b>9,737</b>



Table 4 - IGNEOUS ROCK

PA1007

## Extractors' sales by end-use and area of origin, 2014

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 dressing chippings							
Northumberland	*	*	*	*	*	*	*	*	*	*	1095	
Durham	-	-	*	*	*	-	*	*	-	*	*	
Cumbria	-	-	*	*	*	*	*	*	*	-	*	
Shropshire	*	*	*	*	*	*	*	*	*	-	1920	
Warwickshire	*	*	*	*	-	*	*	-	*	*	*	
Leicestershire	*	*	*	*	*	*	*	*	*	-	*	
Somerset	-	*	-	*	-	-	-	*	-	-	*	
Devon	-	-	-	-	-	-	*	-	-	*	*	
Cornwall	2	151	*	204	*	167	317	-	243	19	1191	
<b>England</b>	<b>*</b>	<b>1,430</b>	<b>4,732</b>	<b>4,509</b>	<b>385</b>	<b>1,590</b>	<b>1,121</b>	<b>*</b>	<b>3,134</b>	<b>*</b>	<b>19,156</b>	
Clwyd	-	-	-	-	-	-	-	-	*	-	*	
Gwynedd	3	*	*	*	*	*	*	*	*	*	679	
Dyfed	-	*	*	*	-	*	*	*	*	*	*	
Powys	-	*	*	-	-	*	*	-	*	*	*	
<b>Wales</b>	<b>3</b>	<b>317</b>	<b>329</b>	<b>129</b>	<b>*</b>	<b>155</b>	<b>305</b>	<b>*</b>	<b>889</b>	<b>*</b>	<b>2,189</b>	
South of Scotland	*	*	*	*	-	*	*	-	58	*	306	
West Central Scotland	*	204	459	1,193	18	658	270	*	676	*	3,833	
East Central Scotland	*	*	*	688	*	*	143	-	238	*	1,712	
Tayside and Fife	-	*	*	402	-	*	*	*	*	20	1,155	
North East Scotland	*	312	*	474	*	*	652	-	230	42	2,238	
Highlands	-	*	*	1,252	*	*	*	*	*	*	7,352	
Western Isles	-	*	-	*	*	*	*	-	8	*	147	
Shetland	-	*	-	112	*	*	*	-	*	2	196	
<b>Scotland</b>	<b>*</b>	<b>823</b>	<b>1,283</b>	<b>4,184</b>	<b>*</b>	<b>2,138</b>	<b>3,126</b>	<b>*</b>	<b>3,919</b>	<b>333</b>	<b>16,939</b>	
<b>Great Britain</b>	<b>159</b>	<b>2,570</b>	<b>6,344</b>	<b>8,822</b>	<b>539</b>	<b>3,883</b>	<b>4,551</b>	<b>2,989</b>	<b>7,941</b>	<b>-</b>	<b>38,283</b>	

**TABLE 5 - LIMESTONE & DOLOMITE**  
**Extractors' sales by end-use and area of origin, 2014**

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 dressing 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	Environmental uses (a)	Glass making	Asphalt filler	Other fillers (b)	
Northumberland	-	*	*	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	*	
Tyne & Wear	-	-	*	*	*	*	*	*	*	-	*	-	-	-	-	-	-	-	*	
Durham	*	-	*	*	*	*	*	*	*	-	*	-	-	-	-	-	-	*	-	
Cleveland	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
North Yorkshire	8	*	*	977	*	1211	1495	-	926	41	-	120	*	-	-	*	-	-	-	
West Yorkshire	*	-	-	*	-	*	*	-	*	-	-	-	-	-	-	-	-	-	-	
South Yorkshire	*	-	-	*	-	*	*	-	*	-	-	-	-	-	-	-	*	-	-	
Humberside	*	-	-	*	-	*	*	-	*	-	-	*	*	-	-	-	-	-	-	
Lancashire	*	-	*	465	-	*	228	-	*	-	*	*	*	-	-	-	-	*	-	
Cumbria	*	67	95	189	*	367	407	-	435	*	-	65	*	-	-	-	-	1	-	
Shropshire	*	-	-	*	-	*	*	-	*	-	-	*	-	-	-	-	-	-	-	
Staffordshire	*	-	-	*	-	*	*	-	*	-	*	*	-	-	-	-	-	-	-	
Warwickshire	*	-	-	*	-	*	*	-	*	-	-	-	-	-	-	-	-	-	-	
Herefordshire	*	-	-	*	-	*	*	-	*	-	-	-	-	-	-	-	-	-	-	
Derbyshire	*	-	479	1932	-	1843	1542	-	770	33	*	123	*	*	*	*	*	*	*	
Northamptonshire	*	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	
Leicestershire	*	-	*	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	
Lincolnshire	12	-	*	*	-	*	*	-	759	*	*	*	-	-	-	-	-	-	-	
Essex	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cambridgeshire	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Buckinghamshire	*	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	
Oxfordshire	*	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	
Kent	*	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	
Gloucestershire	*	*	*	*	-	*	634	-	430	*	-	*	*	-	-	-	-	-	-	
Wiltshire	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Avon	*	*	*	*	-	725	1181	-	*	-	*	-	-	-	-	-	-	-	-	
Somerset	28	*	*	1403	-	2150	*	-	*	-	*	-	*	-	-	-	-	-	*	
Dorset	*	-	-	*	-	*	*	-	*	-	*	-	*	-	-	-	-	-	-	
Devon	*	*	*	*	-	*	*	-	*	-	*	-	*	-	-	-	-	*	*	
<b>England</b>	<b>543</b>	<b>*</b>	<b>*</b>	<b>7,725</b>	<b>*</b>	<b>7,914</b>	<b>10,551</b>	<b>*</b>	<b>9,460</b>	<b>416</b>	<b>*</b>	<b>821</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>156</b>	<b>*</b>	<b>*</b>	<b>53,769</b>	
Clwyd	*	-	*	*	-	736	*	-	*	*	-	*	-	-	-	-	-	-	-	
Gwynedd	3	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	
Dyfed	*	*	-	*	*	*	*	-	*	-	*	-	*	-	-	-	-	-	-	
Mid Glamorgan	*	*	*	411	-	658	*	-	460	*	*	*	*	-	-	-	*	-	-	
South Glamorgan	*	-	*	*	-	*	*	-	*	-	*	-	*	-	-	-	-	-	-	
Gwent	-	-	-	*	-	*	*	-	*	-	*	-	*	-	-	-	-	-	-	
Powys	*	-	*	*	-	*	*	-	*	-	*	-	*	-	-	-	-	-	-	
<b>Wales</b>	<b>43</b>	<b>*</b>	<b>*</b>	<b>4,434</b>	<b>*</b>	<b>1,745</b>	<b>2,028</b>	<b>-</b>	<b>1,517</b>	<b>30</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>11,301</b>	
West Central Scotland	*	-	-	*	*	*	*	-	*	-	*	-	-	-	-	-	-	*	-	
East Central Scotland	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	
Tayside and Fife	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	*	-	-	
North East Scotland	-	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	-	-	-	
Highlands	-	-	-	*	-	*	*	-	*	-	*	-	-	-	-	-	*	*	-	
Orkney	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Scotland</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>47</b>	<b>*</b>	<b>18</b>	<b>17</b>	<b>-</b>	<b>83</b>	<b>1</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>*</b>	<b>1,302</b>	
<b>Great Britain</b>	<b>585</b>	<b>1,106</b>	<b>3,448</b>	<b>12,207</b>	<b>313</b>	<b>9,686</b>	<b>12,597</b>	<b>*</b>	<b>11,059</b>	<b>447</b>	<b>7,069</b>	<b>1,214</b>	<b>3,593</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>156</b>	<b>156</b>	<b>653</b>	<b>66,371</b>

a. For water and effluent treatment and pollution control  
b. Specialised fillers, e.g. In animal feed, polymers, paint, paper and pharmaceuticals

TABLE 6 - PEAT

PA1007

## Extractors' sales by end-use and area of origin, 2014

Thousand cubic metres

Area of Origin	Horticultural use	Other uses	Total
Lancashire	*	-	*
Cumbria	*	-	*
Greater Manchester	*	-	*
Cheshire	*	-	*
Somerset	76	-	76
<b>England</b>	<b>294</b>	-	<b>294</b>
South of Scotland	*	-	*
West Central Scotland	*	*	219
East Central Scotland	*	*	*
North East Scotland	*	*	*
Highlands	*	*	*
Orkney	*	-	*
Shetland	-	*	*
<b>Scotland</b>	<b>469</b>	<b>32</b>	<b>501</b>
<b>Great Britain</b>	<b>763</b>	<b>32</b>	<b>795</b>

TABLE 7 - CRUSHED ROCK

PA1007

Extractors' sales by end-use and area of origin, 2014

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	*	*	*	*	*	*	*	*	*	1,190
Tyne & Wear	*	*	*	*	*	*	*	*	*	*
Durham	*	*	*	*	*	*	*	*	*	1,770
Cleveland	*	*	*	*	*	*	*	*	*	*
North Yorkshire	*	*	977	*	*	*	*	*	41	6,045
West Yorkshire	*	*	*	*	*	19	*	8	*	*
South Yorkshire	*	*	*	*	*	*	*	*	*	*
Humberside	*	*	*	*	*	*	*	*	*	*
Lancashire	*	*	465	*	*	*	*	*	*	2,383
Cumbria	67	*	199	*	368	*	*	*	*	2,537
Greater Manchester	*	*	*	*	*	*	*	*	*	*
Cheshire	*	*	*	*	*	*	*	*	*	*
Shropshire	*	*	*	*	*	*	*	*	*	3,103
Staffordshire	*	*	*	*	*	*	*	*	*	*
West Midlands	*	*	*	*	*	*	*	*	*	*
Warwickshire	*	*	*	*	*	*	*	*	*	*
Herefordshire	*	*	*	*	*	*	*	*	*	*
Derbyshire	*	479	1,932	*	1,843	1,542	*	770	33	6,598
Northamptonshire	*	*	*	*	*	*	*	*	*	286
Leicestershire	*	*	*	*	*	*	*	*	*	14,342
Lincolnshire	*	*	*	*	*	*	*	*	*	965
Norfolk	*	*	*	*	*	*	*	*	*	*
Essex	*	*	*	*	*	*	*	*	*	*
Oxfordshire	*	*	*	*	*	*	*	*	*	941
Kent	*	*	*	*	*	*	*	*	*	*
West Sussex	*	*	*	*	*	*	*	*	*	*
Gloucestershire	*	*	*	*	*	634	*	*	*	1,560
Avon	*	*	*	*	725	1,181	*	*	*	3,031
Somerset	476	*	1,635	*	2,150	*	*	*	*	12,264
Dorset	*	*	*	*	*	*	*	*	*	*
Devon	*	*	*	*	*	*	*	*	*	2,641
Cornwall	156	*	204	*	167	*	*	*	*	1,280
<b>England</b>	*	*	*	*	*	*	*	<b>13,430</b>	*	<b>63,835</b>
Clwyd	*	*	*	*	736	*	*	*	*	6,124
Gwynedd	*	*	*	*	*	*	*	*	*	705
Dyfed	*	*	*	*	*	*	*	*	*	1,450
West Glamorgan	*	*	*	*	*	*	*	*	*	*
Mid Glamorgan	*	*	411	*	670	*	*	489	*	3,127
South Glamorgan	*	*	*	*	*	*	*	*	*	*
Gwent	*	*	*	*	*	*	*	*	*	*
Powys	*	*	*	*	*	*	*	*	*	*
<b>Wales</b>	*	*	<b>4,670</b>	*	<b>2,102</b>	<b>2,584</b>	*	<b>2,731</b>	*	<b>14,830</b>
South of Scotland	*	*	*	*	*	*	*	*	*	1,879
West Central Scotland	211	506	1,317	*	739	418	*	895	*	4,455
East Central Scotland	*	*	688	*	*	143	*	238	*	1,707
Tayside and Fife	*	*	402	*	*	*	*	*	20	1,155
North East Scotland	312	*	*	*	*	*	*	*	42	2,300
Highlands	*	*	*	*	*	*	*	*	*	7,720
Western Isles	*	*	*	*	*	*	*	8	*	*
Orkney	*	*	*	*	*	*	*	*	*	*
Shetland	*	*	*	*	*	*	*	*	2	263
<b>Scotland</b>	<b>936</b>	<b>1,472</b>	<b>4,972</b>	*	<b>2,537</b>	<b>3,716</b>	*	<b>4,670</b>	*	<b>19,759</b>
<b>Great Britain</b>	<b>5,331</b>	<b>12,266</b>	<b>22,179</b>	<b>1,063</b>	<b>14,279</b>	<b>18,509</b>	<b>2,990</b>	<b>20,831</b>	<b>976</b>	<b>98,423</b>

**TABLE 8 - CLAY & SHALE**  
**Extractors' sales by end-use and area of origin, 2014**

PA1007

Thousand tonnes

Area of Origin	Bricks, pipes & tiles	Cement	Constructional uses	Other uses	Total
Tyne & Wear	*	-	-	-	*
Durham	*	-	-	-	*
North Yorkshire	-	-	*	-	*
West Yorkshire	481	-	-	-	481
South Yorkshire	*	-	-	-	*
Humberside	*	*	-	*	*
Lancashire	*	-	*	-	341
Cumbria	*	-	*	-	*
Greater Manchester	-	-	-	*	*
Shropshire	*	-	-	-	*
Staffordshire	*	*	-	*	1,077
West Midlands	179	-	-	-	179
Warwickshire	*	*	*	-	*
Worcestershire	*	-	-	-	*
Derbyshire	*	*	-	-	377
Leicestershire	*	*	-	-	770
Nottinghamshire	*	-	-	-	*
Cambridgeshire	*	-	-	-	*
Essex	*	*	*	-	*
Hertfordshire	*	-	-	-	*
Buckinghamshire	*	-	-	-	*
Surrey	*	-	-	-	*
Kent	*	-	-	-	*
East Sussex	*	-	-	-	*
West Sussex	364	-	-	-	364
Hampshire	*	-	-	*	*
Gloucestershire	*	-	*	*	*
Wiltshire	-	-	*	-	*
Avon	*	-	-	-	*
Dorset	*	-	-	-	*
Devon	-	-	*	-	*
Cornwall	-	-	-	*	*
<b>England</b>	*	<b>1,453</b>	*	*	<b>6,671</b>
Dyfed	-	-	*	*	*
Powys	-	-	*	-	*
<b>Wales</b>	-	-	*	*	*
West Central Scotland	*	-	-	-	*
<b>Scotland</b>	*	-	-	-	*
<b>Great Britain</b>	<b>4,712</b>	<b>1,453</b>	<b>570</b>	<b>71</b>	<b>6,806</b>

TABLE 9 - CHALK

PA1007

## Extractors' sales by end-use and area of origin, 2014

Thousand tonnes

Area of origin	Cement	Other Constructional	Agricultural uses	Industrial uses	Total
Humberside	*	387	*	*	1,243
Lincolnshire	-	*	*	-	*
Cambridgeshire	-	*	*	*	*
Norfolk	-	-	*	-	*
Suffolk	-	-	*	-	*
Essex	-	-	*	-	*
Hertfordshire	-	-	*	-	*
Bedfordshire	*	*	-	-	*
Kent	-	*	*	-	56
West Sussex	-	-	*	-	*
Hampshire	-	*	*	-	*
Isle of Wight	-	*	*	*	*
Devon	-	-	*	-	*
<b>England</b>	*	<b>423</b>	*	<b>841</b>	<b>3,312</b>

NB Only those parts of GB producing chalk are identified

TABLE 10 - FIRECLAY

PA1007

Extractors' totals sales by area of origin, 2014

Thousand tonnes

Area of origin	Total
Northumberland	*
Shropshire	*
Leicestershire	*
<b>England</b>	*
West Central Scotland	*
<b>Scotland</b>	*
<b>Great Britain</b>	<b>129</b>

**TABLE 11 - ORE MINERALS**  
**Extractors' sales by end-use and area of origin, 2014**

**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)	Derbyshire, Cornwall, Tayside and Fife	*
<b>Barium sulphate</b>	Derbyshire, Tayside and Fife	*
<b>Calcium fluoride</b>	Derbyshire	*
<b>Lead</b>	Derbyshire	*



**TABLE 12 - OTHER MINERALS**  
**Extractors' sales by end-use and area of origin, 2014**

**PA1007**  
 Thousand tonnes

Mineral	Area of origin	Sales	
<b>Ball clay</b>	Dorset, Devon	*	
<b>Chert and Flint</b>	Kent, Hampshire	*	
<b>China clay</b>	Devon, Cornwall	*	
<b>Gypsum</b>	Cumbria, Staffordshire, Leicestershire, Nottinghamshire, East Sussex	*	
<b>Potash (refined)</b>	Cleveland	*	
<b>Rock salt</b>	Cleveland, Cheshire	4,466	
<b>Salt from brine</b>			
<b>Salt in brine</b>			
<b>Silica stone</b>	Durham	*	
<b>Slate (includes some "roofing stone")</b>	Northumberland, Cumbria, Herefordshire, Derbyshire, Gloucestershire, Wiltshire, Devon, Cornwall, Clwyd, Gwynedd, Dyfed, West Central Scotland, Highlands	868	(a)
<b>Soapstone &amp; Talc</b>	Shetland	5	

(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) \* ; Cladding and other decorative uses \* ; Powder and granules 33 ; Crude Blocks 39 ; Fill and other uses 748.

**TABLE 13 - ALL MINERALS**  
**Employment by mineral and area, 2014**

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	-	-	-	10	-	-	-	-	1,076	1,088
Durham	-	70	11	9	26	341	-	7	-	-	3	467
Northumberland	-	42	105	279	-	-	-	-	-	-	-	426
Tyne & Wear	-	-	-	-	-	42	-	8	-	-	-	50
Humberside	6	120	-	-	15	-	269	21	-	-	-	431
North Yorkshire	-	433	527	-	956	6	-	10	-	-	-	1,932
South Yorkshire	-	376	2	-	53	31	-	2	-	-	-	464
West Yorkshire	-	33	304	-	2	-	-	178	-	-	-	517
Derbyshire	-	195	136	-	1,437	77	-	29	-	-	101	1,975
Leicestershire	-	530	-	1,139	122	-	-	27	14	-	49	1,881
Lincolnshire	1	260	-	-	119	-	20	-	-	-	-	400
Northamptonshire	-	150	17	-	7	-	-	-	-	-	-	174
Nottinghamshire	-	333	-	-	-	-	-	6	-	-	50	389
Cambridgeshire	-	611	-	-	24	-	35	14	-	-	-	684
Norfolk	1	152	9	-	-	-	9	-	-	-	-	171
Suffolk	-	287	-	-	-	-	5	-	-	-	-	292
Bedfordshire	-	206	-	-	-	-	25	-	-	-	-	231
Essex	1	776	-	-	-	-	1	11	-	-	-	789
Hertfordshire	-	359	-	-	-	-	31	2	-	-	-	392
Berkshire	-	149	-	-	-	-	-	-	-	-	-	149
Buckinghamshire	-	137	-	-	2	-	-	2	-	-	-	141
East Sussex	-	1	-	-	-	-	-	17	-	-	21	39
Hampshire	-	370	-	-	-	-	5	1	-	-	-	376
Isle of Wight	-	15	-	-	-	-	15	-	-	-	-	30
Kent	-	185	-	-	99	-	172	11	-	-	1	468
Oxfordshire	-	317	-	-	44	-	-	-	-	-	-	361
Surrey	5	150	-	-	-	-	-	62	-	-	-	217
West Sussex	-	8	14	-	-	-	6	42	-	-	-	70
Greater London	-	34	-	-	-	-	-	-	-	-	-	34
Avon	-	2	-	-	554	-	-	8	-	-	-	564
Cornwall	1	2	57	156	-	-	-	-	-	-	78	294
Devon	-	159	24	1	304	-	4	3	-	-	41	536
Dorset	-	158	1	-	142	-	-	5	-	-	56	362
Gloucestershire	-	307	16	-	343	-	-	106	-	-	65	837
Somerset	-	7	6	202	1,582	-	-	-	-	50	-	1,847
Wiltshire	-	166	-	-	20	-	-	1	-	-	-	187
Shropshire	-	164	413	87	59	-	-	7	5	-	-	735
Staffordshire	2	485	1	-	100	-	-	47	-	-	45	680
Warwickshire	-	45	-	140	4	-	-	25	-	-	-	214
West Midlands	-	82	11	-	-	-	-	10	-	-	-	103
Herefordshire	-	61	37	-	1	-	-	-	-	-	-	99
Worcestershire	13	97	-	-	-	-	-	12	-	-	-	122
Cheshire	213	243	52	-	-	-	-	-	-	1	945	1,454
Greater Manchester	-	112	30	-	-	-	-	1	-	4	-	147
Lancashire	-	71	47	-	214	-	-	17	-	37	-	386
Cumbria	-	242	19	40	900	-	-	1	-	1	163	1,366
Merseyside	-	1	-	-	-	-	-	-	-	-	-	1
<b>England</b>	<b>243</b>	<b>8,705</b>	<b>1,839</b>	<b>2,053</b>	<b>7,129</b>	<b>507</b>	<b>597</b>	<b>693</b>	<b>19</b>	<b>93</b>	<b>2,694</b>	<b>24,572</b>
Clwyd	-	120	8	7	363	-	-	-	-	-	7	505
Dyfed	-	50	36	146	287	-	-	2	-	-	2	523
Gwent	-	2	1	-	34	-	-	-	-	-	-	37
Gwynedd	-	21	-	352	22	-	-	-	-	-	10	405
Mid Glamorgan	-	-	71	-	629	45	-	-	-	-	-	745
Powys	-	1	544	443	1	-	-	5	-	-	-	994
South Glamorgan	-	2	-	-	18	-	-	-	-	-	-	20
West Glamorgan	-	1	43	-	-	-	-	-	-	-	-	44
<b>Wales</b>	<b>-</b>	<b>197</b>	<b>703</b>	<b>948</b>	<b>1,354</b>	<b>45</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>19</b>	<b>3,273</b>
South of Scotland	-	114	229	80	-	-	-	-	-	25	-	448
North East Scotland	-	249	14	662	35	-	-	-	-	7	-	967
Highlands	-	133	62	198	9	-	-	-	-	1	30	433
East Central Scotland	-	44	-	220	26	-	-	-	-	35	-	325
West Central Scotland	-	336	113	650	23	-	-	5	-	69	2	1,198
Tayside & Fife	23	119	2	132	10	-	-	-	-	-	25	311
Orkney Isles	-	5	54	-	1	-	-	-	-	4	-	64
Shetland Isles	-	3	16	64	-	-	-	-	-	1	1	85
Western Isles	-	18	-	33	-	-	-	-	-	-	-	51
<b>Scotland</b>	<b>23</b>	<b>1,021</b>	<b>490</b>	<b>2,039</b>	<b>104</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>142</b>	<b>58</b>	<b>3,882</b>
<b>Great Britain</b>	<b>266</b>	<b>9,923</b>	<b>3,032</b>	<b>5,040</b>	<b>8,587</b>	<b>552</b>	<b>597</b>	<b>705</b>	<b>19</b>	<b>235</b>	<b>2,771</b>	<b>31,727</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, 2014**

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	-	-	-	10	-	-	-	-	1,042	1,054
Durham	-	11	7	-	24	45	-	2	-	-	2	100
Northumberland	-	7	31	50	-	-	-	-	-	-	-	88
Tyne & Wear	-	-	-	-	-	27	-	1	-	-	-	28
Humberside	2	50	-	-	5	-	159	21	-	-	-	237
North Yorkshire	-	71	45	-	169	3	-	5	-	-	-	293
South Yorkshire	-	34	2	-	20	8	-	1	-	-	-	65
West Yorkshire	-	26	141	-	1	-	-	101	-	-	-	269
Derbyshire	-	25	101	-	862	8	-	6	-	-	89	1,091
Leicestershire	-	68	-	292	55	-	-	8	3	-	49	475
Lincolnshire	1	74	-	-	56	2	-	-	-	-	-	133
Northamptonshire	-	6	3	-	7	-	-	-	-	-	-	16
Nottinghamshire	-	75	-	-	-	-	-	6	-	-	15	96
Cambridgeshire	-	37	-	-	7	-	18	6	-	-	-	68
Norfolk	1	83	7	-	-	-	8	-	-	-	-	99
Suffolk	-	144	-	-	-	-	5	-	-	-	-	149
Bedfordshire	-	38	-	-	-	-	12	-	-	-	-	50
Essex	1	232	-	-	-	-	1	11	-	-	-	245
Hertfordshire	-	69	-	-	-	-	19	2	-	-	-	90
Berkshire	-	30	-	-	-	-	-	-	-	-	-	30
Buckinghamshire	-	20	-	-	2	-	-	2	-	-	-	24
East Sussex	-	1	-	-	-	-	-	17	-	-	19	37
Hampshire	-	58	-	-	-	-	4	1	-	-	-	63
Isle of Wight	-	15	-	-	-	-	4	-	-	-	-	19
Kent	-	83	-	-	39	-	92	2	-	-	1	217
Oxfordshire	-	40	-	-	20	-	-	-	-	-	-	60
Surrey	5	26	-	-	-	-	-	49	-	-	-	80
West Sussex	-	8	13	-	-	-	6	36	-	-	-	63
Greater London	-	18	-	-	-	-	-	-	-	-	-	18
Avon	-	2	-	-	247	-	-	4	-	-	-	253
Cornwall	1	2	12	93	-	-	-	-	-	-	64	172
Devon	-	26	17	1	175	-	2	1	-	-	30	252
Dorset	-	77	1	-	113	-	-	1	-	-	31	223
Gloucestershire	-	27	13	-	183	-	-	74	-	-	53	350
Somerset	-	7	4	76	237	-	-	-	-	41	-	365
Wiltshire	-	37	-	-	15	-	-	1	-	-	-	53
Shropshire	-	97	40	58	4	-	-	2	1	-	-	202
Staffordshire	1	141	1	-	29	-	-	17	-	-	40	229
Warwickshire	-	17	-	32	3	-	-	4	-	-	-	56
West Midlands	-	19	5	-	-	-	-	3	-	-	-	27
Herefordshire	-	6	24	-	1	-	-	-	-	-	-	31
Worcestershire	7	7	-	-	-	-	-	2	-	-	-	16
Cheshire	42	35	23	-	-	-	-	-	-	1	195	296
Greater Manchester	-	11	7	-	-	-	-	1	-	4	-	23
Lancashire	-	19	17	-	40	-	-	11	-	37	-	124
Cumbria	-	34	14	39	111	-	-	1	-	1	163	363
Merseyside	-	1	-	-	-	-	-	-	-	-	-	1
<b>England</b>	<b>61</b>	<b>1,916</b>	<b>528</b>	<b>650</b>	<b>2,425</b>	<b>101</b>	<b>332</b>	<b>399</b>	<b>4</b>	<b>84</b>	<b>1,793</b>	<b>8,293</b>
Clwyd	-	19	4	2	69	-	-	-	-	-	5	99
Dyfed	-	34	11	47	64	-	-	2	-	-	1	159
Gwent	-	2	1	-	18	-	-	-	-	-	-	21
Gwynedd	-	13	-	46	13	-	-	-	-	-	9	81
Mid Glamorgan	-	-	20	-	188	5	-	-	-	-	-	213
Powys	-	1	138	29	1	-	-	4	-	-	-	173
South Glamorgan	-	2	-	-	11	-	-	-	-	-	-	13
West Glamorgan	-	1	20	-	-	-	-	-	-	-	-	21
<b>Wales</b>	<b>-</b>	<b>72</b>	<b>194</b>	<b>124</b>	<b>364</b>	<b>5</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>780</b>
South of Scotland	-	33	105	17	-	-	-	-	-	25	-	180
North East Scotland	-	95	10	105	19	-	-	-	-	5	-	234
Highlands	-	50	38	154	6	-	-	-	-	1	30	279
East Central Scotland	-	22	-	69	25	-	-	-	-	16	-	132
West Central Scotland	-	91	37	266	8	-	-	3	-	33	2	440
Tayside & Fife	18	68	2	69	8	-	-	-	-	-	18	183
Orkney Isles	-	3	15	-	1	-	-	-	-	4	-	23
Shetland Isles	-	2	9	16	-	-	-	-	-	1	1	29
Western Isles	-	10	-	20	-	-	-	-	-	-	-	30
<b>Scotland</b>	<b>18</b>	<b>374</b>	<b>216</b>	<b>716</b>	<b>67</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>85</b>	<b>51</b>	<b>1,530</b>
<b>Great Britain</b>	<b>79</b>	<b>2,362</b>	<b>938</b>	<b>1,490</b>	<b>2,856</b>	<b>106</b>	<b>332</b>	<b>408</b>	<b>4</b>	<b>169</b>	<b>1,859</b>	<b>10,603</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, 2014

Area	Mineral										Total number	
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat		Ore & other minerals
Cleveland	-	-	-	-	-	-	-	-	-	-	34	34
Durham	-	-	-	-	-	45	-	5	-	-	-	50
Northumberland	-	3	71	54	-	-	-	-	-	-	-	128
Tyne & Wear	-	-	-	-	-	3	-	5	-	-	-	8
Humber side	2	2	-	-	-	-	31	-	-	-	-	35
North Yorkshire	-	104	362	-	297	2	-	-	-	-	-	766
South Yorkshire	-	213	-	-	7	23	-	1	-	-	-	244
West Yorkshire	-	5	153	-	-	-	-	19	-	-	-	177
Derbyshire	-	109	15	-	47	3	-	13	-	-	12	199
Leicestershire	-	20	-	62	7	-	-	10	-	-	-	99
Lincolnshire	-	87	-	-	2	-	-	-	-	-	-	89
Northamptonshire	-	144	-	-	-	-	-	-	-	-	-	144
Nottinghamshire	-	10	-	-	-	-	-	-	-	-	31	41
Cambridgeshire	-	429	-	-	2	-	3	8	-	-	-	442
Norfolk	-	3	-	-	-	-	1	-	-	-	-	4
Suffolk	-	4	-	-	-	-	-	-	-	-	-	4
Bedfordshire	-	6	-	-	-	-	13	-	-	-	-	19
Essex	-	333	-	-	-	-	-	-	-	-	-	333
Hertfordshire	-	11	-	-	-	-	-	-	-	-	-	11
Berkshire	-	2	-	-	-	-	-	-	-	-	-	2
Buckinghamshire	-	29	-	-	-	-	-	-	-	-	-	29
East Sussex	-	-	-	-	-	-	-	-	-	-	2	2
Hampshire	-	11	-	-	-	-	-	-	-	-	-	11
Kent	-	23	-	-	-	-	-	3	-	-	-	26
Oxfordshire	-	91	-	-	3	-	-	-	-	-	-	94
Surrey	-	22	-	-	-	-	-	4	-	-	-	26
West Sussex	-	-	-	-	-	-	-	4	-	-	-	4
Greater London	-	6	-	-	-	-	-	-	-	-	-	6
Avon	-	-	-	-	91	-	-	-	-	-	-	91
Cornwall	-	-	2	24	-	-	-	-	-	-	3	29
Devon	-	40	2	-	1	-	-	1	-	-	8	52
Dorset	-	4	-	-	3	-	-	4	-	-	11	22
Gloucestershire	-	29	1	-	10	-	-	-	-	-	7	47
Somerset	-	-	1	10	1,093	-	-	-	-	1	-	1,105
Wiltshire	-	7	-	-	1	-	-	-	-	-	-	8
Shropshire	-	17	8	-	1	-	-	1	-	-	-	27
Staffordshire	-	128	-	-	3	-	-	13	-	-	5	149
Warwickshire	-	9	-	4	-	-	-	6	-	-	-	19
West Midlands	-	2	3	-	-	-	-	5	-	-	-	10
Herefordshire	-	1	1	-	-	-	-	-	-	-	-	2
Worcestershire	-	3	-	-	-	-	-	10	-	-	-	13
Cheshire	1	78	3	-	-	-	-	-	-	-	27	109
Greater Manchester	-	1	23	-	-	-	-	-	-	-	-	24
Lancashire	-	1	23	-	5	-	-	4	-	-	-	33
Cumbria	-	7	1	-	564	-	-	-	-	-	-	572
<b>England</b>	<b>3</b>	<b>1,995</b>	<b>669</b>	<b>154</b>	<b>2,137</b>	<b>76</b>	<b>48</b>	<b>116</b>	<b>-</b>	<b>1</b>	<b>140</b>	<b>5,339</b>
Clwyd	-	1	1	3	166	-	-	-	-	-	-	171
Dyfed	-	10	-	3	9	-	-	-	-	-	-	22
Gwent	-	-	-	-	2	-	-	-	-	-	-	2
Gwynedd	-	-	-	171	-	-	-	-	-	-	-	171
Mid Glamorgan	-	-	51	-	287	3	-	-	-	-	-	341
Powys	-	-	24	413	-	-	-	-	-	-	-	437
South Glamorgan	-	-	-	-	4	-	-	-	-	-	-	4
West Glamorgan	-	-	23	-	-	-	-	-	-	-	-	23
<b>Wales</b>	<b>-</b>	<b>11</b>	<b>99</b>	<b>590</b>	<b>468</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,171</b>
South of Scotland	-	10	11	1	-	-	-	-	-	-	-	22
North East Scotland	-	3	-	8	-	-	-	-	-	2	-	13
Highlands	-	4	5	6	-	-	-	-	-	-	-	15
East Central Scotland	-	-	-	10	1	-	-	-	-	-	-	11
West Central Scotland	-	12	5	23	-	-	-	1	-	5	-	46
Tayside & Fife	2	5	-	3	-	-	-	-	-	-	1	11
Shetland Isles	-	1	-	-	-	-	-	-	-	-	-	1
Western Isles	-	1	-	1	-	-	-	-	-	-	-	2
<b>Scotland</b>	<b>2</b>	<b>36</b>	<b>21</b>	<b>52</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>7</b>	<b>1</b>	<b>121</b>
<b>Great Britain</b>	<b>5</b>	<b>2,042</b>	<b>789</b>	<b>796</b>	<b>2,606</b>	<b>79</b>	<b>48</b>	<b>117</b>	<b>-</b>	<b>8</b>	<b>141</b>	<b>6,631</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, 2014

PA1007

Area	Mineral										Total number	
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat		Ore & other minerals
Durham	-	59	4	-	2	251	-	-	-	-	1	317
Northumberland	-	32	3	175	-	-	-	-	-	-	-	210
Tyne & Wear	-	-	-	-	-	12	-	2	-	-	-	14
Humberside	2	68	-	-	10	-	79	-	-	-	-	159
North Yorkshire	-	257	120	-	490	1	-	5	-	-	-	873
South Yorkshire	-	129	-	-	26	-	-	-	-	-	-	155
West Yorkshire	-	2	10	-	1	-	-	58	-	-	-	71
Derbyshire	-	61	20	-	528	66	-	10	-	-	-	685
Leicestershire	-	442	-	785	60	-	-	9	11	-	-	1,307
Lincolnshire	-	99	-	-	61	-	18	-	-	-	-	178
Northamptonshire	-	-	14	-	-	-	-	-	-	-	-	14
Nottinghamshire	-	248	-	-	-	-	-	-	-	-	4	252
Cambridgeshire	-	145	-	-	15	-	14	-	-	-	-	174
Norfolk	-	66	2	-	-	-	-	-	-	-	-	68
Suffolk	-	139	-	-	-	-	-	-	-	-	-	139
Bedfordshire	-	162	-	-	-	-	-	-	-	-	-	162
Essex	-	211	-	-	-	-	-	-	-	-	-	211
Hertfordshire	-	279	-	-	-	-	12	-	-	-	-	291
Berkshire	-	117	-	-	-	-	-	-	-	-	-	117
Buckinghamshire	-	88	-	-	-	-	-	-	-	-	-	88
Hampshire	-	301	-	-	-	-	1	-	-	-	-	302
Isle of Wight	-	-	-	-	-	-	11	-	-	-	-	11
Kent	-	79	-	-	60	-	80	6	-	-	-	225
Oxfordshire	-	186	-	-	21	-	-	-	-	-	-	207
Surrey	-	102	-	-	-	-	-	9	-	-	-	111
West Sussex	-	-	1	-	-	-	-	2	-	-	-	3
Greater London	-	10	-	-	-	-	-	-	-	-	-	10
Avon	-	-	-	-	216	-	-	4	-	-	-	220
Cornwall	-	-	43	39	-	-	-	-	-	-	11	93
Devon	-	93	5	-	128	-	2	1	-	-	3	232
Dorset	-	77	-	-	26	-	-	-	-	-	14	117
Gloucestershire	-	251	2	-	150	-	-	32	-	-	5	440
Somerset	-	-	1	116	252	-	-	-	-	8	-	377
Wiltshire	-	122	-	-	4	-	-	-	-	-	-	126
Shropshire	-	50	365	29	54	-	-	4	4	-	-	506
Staffordshire	1	216	-	-	68	-	-	17	-	-	-	302
Warwickshire	-	19	-	104	1	-	-	15	-	-	-	139
West Midlands	-	61	3	-	-	-	-	2	-	-	-	66
Herefordshire	-	54	12	-	-	-	-	-	-	-	-	66
Worcestershire	6	87	-	-	-	-	-	-	-	-	-	93
Cheshire	170	130	26	-	-	-	-	-	-	-	723	1,049
Greater Manchester	-	100	-	-	-	-	-	-	-	-	-	100
Lancashire	-	51	7	-	169	-	-	2	-	-	-	229
Cumbria	-	201	4	1	225	-	-	-	-	-	-	431
<b>England</b>	<b>179</b>	<b>4,794</b>	<b>642</b>	<b>1,249</b>	<b>2,567</b>	<b>330</b>	<b>217</b>	<b>178</b>	<b>15</b>	<b>8</b>	<b>761</b>	<b>10,940</b>
Clwyd	-	100	3	2	128	-	-	-	-	-	2	235
Dyfed	-	6	25	96	214	-	-	-	-	-	1	342
Gwent	-	-	-	-	14	-	-	-	-	-	-	14
Gwynedd	-	8	-	135	9	-	-	-	-	-	1	153
Mid Glamorgan	-	-	-	-	154	37	-	-	-	-	-	191
Powys	-	-	382	1	-	-	-	1	-	-	-	384
South Glamorgan	-	-	-	-	3	-	-	-	-	-	-	3
<b>Wales</b>	<b>-</b>	<b>114</b>	<b>410</b>	<b>234</b>	<b>522</b>	<b>37</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>1,322</b>
South of Scotland	-	71	113	62	-	-	-	-	-	-	-	246
North East Scotland	-	151	4	549	16	-	-	-	-	-	-	720
Highlands	-	79	19	38	3	-	-	-	-	-	-	139
East Central Scotland	-	22	-	141	-	-	-	-	-	19	-	182
West Central Scotland	-	233	71	361	15	-	-	1	-	31	-	712
Tayside & Fife	3	46	-	60	2	-	-	-	-	-	6	117
Orkney Isles	-	2	39	-	-	-	-	-	-	-	-	41
Shetland Isles	-	-	7	48	-	-	-	-	-	-	-	55
Western Isles	-	7	-	12	-	-	-	-	-	-	-	19
<b>Scotland</b>	<b>3</b>	<b>611</b>	<b>253</b>	<b>1,271</b>	<b>36</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>50</b>	<b>6</b>	<b>2,231</b>
<b>Great Britain</b>	<b>182</b>	<b>5,519</b>	<b>1,305</b>	<b>2,754</b>	<b>3,125</b>	<b>367</b>	<b>217</b>	<b>180</b>	<b>15</b>	<b>58</b>	<b>771</b>	<b>14,493</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