



Department for  
Communities and  
Local Government

# Mineral extraction in Great Britain 2013

Business Monitor PA1007

February 2015  
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.**

**2013**

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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 95 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 2013 (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
Herefordshireshire	Herefordshireshire
Worcestershireshire	Worcestershireshire
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 , 2013**

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Thousand tonnes

Mineral	Constructional uses (b)	Cement	Agricultural uses	Industrial uses (a)	Total
Limestone	37,682	*	*	5,893	<b>53,195</b>
Dolomite	*	-	*	*	<b>3,432</b>
Chalk	*	*	*	*	<b>3,529</b>
<b>Total</b>	<b>39,829</b>	<b>10,056</b>	<b>2,129</b>	<b>8,142</b>	<b>60,156</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, 2013 (a)**

Thousand tonnes

Use	Limestone	Dolomite	Chalk	Total	Of which for conversion by calcination
Agricultural / horticultural	*	*	*	<b>2,129</b>	-
Iron and steel	*	*	*	<b>3,975</b>	*
Glass making	*	*	-	<b>173</b>	-
Asphalt filler	85	-	-	<b>85</b>	-
Other specialised fillers	*	-	*	<b>869</b>	-
Chemical use	*	-	*	<b>1,031</b>	*
Building materials	*	-	*	<b>642</b>	-
Water & effluent treatment & pollution control	*	-	*	<b>1,366</b>	*
<b>Total</b>	<b>7,398</b>	<b>1,524</b>	<b>1,349</b>	<b>10,271</b>	<b>2,435</b>

(a) Includes material for calcination

TABLE 1 - INDUSTRIAL SAND

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Extractors' sales by end-use and area of origin, 2013

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	-	-	-	1	1
North Yorkshire	-	-	2	*	*
Humberside	*	*	*	*	*
Cumbria	-	-	-	*	*
Cheshire	300	*	*	297	1039
Staffordshire	-	-	*	*	*
West Midlands	-	-	-	*	*
Herefordshire	-	-	-	*	*
Worcestershire	2	-	-	*	*
Nottinghamshire	*	-	*	*	*
Lincolnshire	-	-	*	*	*
Norfolk	-	*	*	*	*
Suffolk	*	-	-	-	*
Essex	*	-	-	*	*
Bedfordshire	*	-	*	*	*
Surrey	-	*	*	*	*
Kent	-	-	111	*	*
Dorset	-	-	-	*	*
Devon	-	-	*	*	*
Cornwall	-	-	-	*	*
<b>England</b>	*	*	*	<b>1,300</b>	<b>3,620</b>
Clwyd	-	-	-	*	*
Dyfed	-	-	-	*	*
<b>Wales</b>	-	-	-	*	*
West Central Scotland	-	*	*	*	*
East Central Scotland	-	-	-	*	*
Tayside and Fife	-	157	2	*	*
<b>Scotland</b>	-	*	*	*	*
<b>Great Britain</b>	*	*	<b>837</b>	<b>1,448</b>	<b>3,961</b>

TABLE 2 - SAND &amp; GRAVEL FOR CONSTRUCTION

PA1007

## Extractors' sales by end-use and area of origin, 2013

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	*	*	*	-	*	*	*	*	-
Tyne & Wear	-	-	* †	-	-	-	-	* †	*
Durham	*	116	*	-	-	-	-	224	-
Cleveland	-	-	* †	-	-	-	-	* †	*
North Yorkshire	-	*	524	-	300	340	208	1,440	-
West Yorkshire	-	*	*	-	*	*	*	88	-
South Yorkshire	14	*	*	-	*	*	*	689	-
Humberside	* †	273	296 †	-	84 †	* †	108	862 †	*
Lancashire	-	*	*	-	-	-	-	*	-
Cumbria	*	123	191	*	*	*	27	375	-
Greater Manchester	-	-	-	-	*	-	109	109	-
Cheshire	*	*	521	*	-	-	*	1,058	-
Merseyside	-	93 †	29 †	-	-	-	-	122 †	122
Shropshire	-	*	341	-	129	*	83	697	-
Staffordshire	*	*	1,153	*	1,351	549	715	4,010	-
West Midlands	-	*	*	-	*	*	*	*	-
Warwickshire	4	113	66	-	43	*	*	260	-
Herefordshire	-	*	*	-	*	*	-	*	-
Worcestershire	*	*	*	-	*	*	*	563	-
Derbyshire	-	61	261	2	248	*	*	818	-
Northamptonshire	9	4	59	-	5	44	118	239	-
Leicestershire	*	*	*	-	*	*	*	*	-
Nottinghamshire	*	*	404	*	244	122	*	1,122	-
Lincolnshire	60	75	849	11	389	348	244	1,976	-
Cambridgeshire	33	*	587	*	355	249	453	1,686	-
Norfolk	*	119	400	*	280	236	106	1,190	-
Suffolk	*	112 †	518 †	-	180 †	218 †	*	1,140 †	55
Essex	*	351	1,152 †	19	821 †	*	473 †	2,957 †	*
Hertfordshire	*	*	*	-	*	*	*	*	-
Bedfordshire	*	195	311	-	*	*	*	1,014	-
Buckinghamshire	-	62	*	-	188	*	*	435	-
Oxfordshire	-	168	138	-	78	29	155	567	-
Berkshire	-	*	191	-	*	*	475	995	-
Surrey	*	367	*	-	*	*	-	773	-
Kent	*	297 †	921 †	-	1,003 †	417 †	* †	2,847 †	1,802
East Sussex	-	* †	* †	-	* †	* †	* †	* †	*
West Sussex	* †	* †	* †	-	* †	* †	* †	* †	*
Hampshire	* †	* †	609 †	-	975 †	320 †	133 †	2,150 †	1,350
Isle of Wight	*	* †	* †	-	* †	* †	* †	143 †	*
Greater London	-	* †	* †	-	2,468 †	* †	* †	4,896 †	4,259

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								
Gloucestershire	-	*	*	-	*	21	*	611	-	
Wiltshire	-	*	347	-	151	*	51	687	-	
Avon	* †	* †	* †	-	-	-	* †	380 †	*	
Somerset	-	-	*	-	*	*	*	*	-	
Dorset	*	* †	861 †	-	* †	74 †	†	1,304 †	*	
Devon	-	*	382 †	*	85 †	*	170	792 †	12	
Cornwall	-	*	*	-	-	-	*	*	-	
<b>England</b>	<b>763 †</b>	<b>4,458 †</b>	<b>17,882 †</b>	<b>69</b>	<b>11,227 †</b>	<b>4,893 †</b>	<b>6,417 †</b>	<b>45,709 †</b>	<b>9,854</b>	
Clwyd	*	*	*	-	*	*	*	*	-	
Gwynedd	-	49 †	59	-	48	20	-	176 †	49	
Dyfed	1	162 †	74 †	-	*	* †	11 †	307 †	*	
West Glamorgan	-	* †	* †	-	-	-	*	* †	*	
South Glamorgan	* †	* †	* †	-	41 †	- †	* †	* †	*	
Gwent	-	* †	* †	-	-	-	-	* †	*	
<b>Wales</b>	<b>* †</b>	<b>353 †</b>	<b>656 †</b>	<b>-</b>	<b>195 †</b>	<b>70 †</b>	<b>* †</b>	<b>1,305 †</b>	<b>632</b>	
South of Scotland	*	*	130	*	102	84	*	512	-	
West Central Scotland	*	155	838	-	*	381	*	1,719	-	
East Central Scotland	*	*	134	-	*	*	*	391	-	
Tayside and Fife	*	71	421	-	428	*	108	1,177	-	
North East Scotland	27	45	173	*	129	*	185	662	-	
Highlands	12	*	105	*	129	27	61	392	-	
Western Isles	-	3	*	-	*	*	*	28	-	
Orkney	-	*	*	-	-	-	1	*	-	
Shetland	-	-	-	-	-	-	*	*	-	
<b>Scotland</b>	<b>*</b>	<b>394</b>	<b>1,823</b>	<b>85</b>	<b>974</b>	<b>815</b>	<b>*</b>	<b>4,911</b>	<b>-</b>	
<b>Great Britain</b>	<b>1,071 †</b>	<b>5,204 †</b>	<b>20,361 †</b>	<b>154</b>	<b>12,396 †</b>	<b>5,779 †</b>	<b>6,960 †</b>	<b>51,925 †</b>	<b>10,487</b>	
<b>Marine Dredged</b>	<b>34</b>	<b>612</b>	<b>4,380</b>	<b>-</b>	<b>4,453</b>	<b>693</b>	<b>315</b>	<b>10,487</b>	<b>-</b>	

† Includes marine dredged material

See also note 6



Table 3 - SANDSTONE

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## Extractors' sales by end-use and area of origin, 2013

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	-	-	*	-	-	*	-	*	-	-	*	
Durham	*	-	-	-	-	-	-	-	*	*	-	8	
North Yorkshire	*	-	*	-	*	*	*	-	73	-	-	832	
West Yorkshire	*	-	-	-	-	-	*	-	*	-	-	372	
South Yorkshire	*	-	-	-	-	-	-	-	-	-	-	*	
Lancashire	*	-	-	-	-	*	*	-	*	-	-	710	
Cumbria	*	-	*	-	-	-	*	-	4	-	-	158	
Gtr Manchester	*	-	-	-	-	-	*	-	-	-	-	*	
Cheshire	*	-	-	-	-	-	-	-	*	-	-	70	
Shropshire	*	*	*	*	*	*	*	-	*	-	*	*	
Herefordshire	2	*	-	*	-	*	*	-	*	-	-	*	
Derbyshire	*	-	-	-	-	-	-	*	-	1	-	111	
Northamptonshire	-	-	-	-	-	-	-	-	6	-	-	6	
Norfolk	-	-	-	-	-	-	-	-	19	*	-	*	
West Sussex	*	-	-	-	-	-	-	-	*	-	-	*	
Gloucestershire	9	-	-	-	-	-	-	-	-	-	-	9	
Somerset	*	-	-	-	-	-	-	-	-	-	-	*	
Dorset	*	-	-	-	-	-	-	-	-	-	-	*	
Devon	*	*	*	*	-	-	154	-	74	*	-	269	
Cornwall	1	5	43	-	-	-	20	-	62	-	-	132	
<b>England</b>	<b>244</b>	<b>265</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>169</b>	<b>1271</b>	<b>*</b>	<b>905</b>	<b>28</b>	<b>*</b>	<b>4,318</b>	
Dyfed	-	*	-	*	-	-	*	-	*	-	-	*	
West Glamorgan	*	-	*	*	-	-	*	-	*	*	-	416	
Mid Glamorgan	*	-	*	*	-	*	*	-	*	-	-	527	
Gwent	-	*	*	*	-	-	*	-	*	-	-	*	
Powys	6	*	*	*	*	*	*	-	*	*	*	*	
<b>Wales</b>	<b>*</b>	<b>282</b>	<b>1,300</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>357</b>	<b>-</b>	<b>426</b>	<b>6</b>	<b>*</b>	<b>2,774</b>	
South of Scotland	10	*	*	*	*	*	*	-	*	*	-	679	
West Central Scotland	-	*	*	*	*	*	*	-	*	*	-	551	
North East Scotland	-	-	-	26	-	-	*	-	1	-	-	*	
Highlands	-	*	-	18	*	1	*	-	*	*	-	*	
Orkney	-	*	-	*	*	*	*	-	*	*	-	*	
Shetland	*	-	-	*	-	*	*	-	-	-	-	*	
<b>Scotland</b>	<b>*</b>	<b>97</b>	<b>*</b>	<b>608</b>	<b>*</b>	<b>*</b>	<b>255</b>	<b>-</b>	<b>299</b>	<b>22</b>	<b>-</b>	<b>1,591</b>	
<b>Great Britain</b>	<b>281</b>	<b>644</b>	<b>2,375</b>	<b>1,063</b>	<b>*</b>	<b>467</b>	<b>1,883</b>	<b>*</b>	<b>1,630</b>	<b>56</b>	<b>*</b>	<b>8,682</b>	

## Extractors' sales by end-use and area of origin, 2013

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	*	*	*	*	*	*	*	*	*	*	*	920
Durham	-	-	*	*	*	-	*	-	-	*	-	*
Cumbria	-	-	*	16	*	*	*	-	*	-	-	*
Shropshire	*	*	*	*	*	*	*	*	466	9	-	1684
Warwickshire	-	*	*	*	-	-	*	-	*	-	-	*
Leicestershire	*	*	3198	2993	*	1478	377	*	1364	*	-	11890
Somerset	-	186	-	155	-	-	-	-	527	-	-	868
Cornwall	1	122	45	148	68	161	225	-	332	4	-	1106
<b>England</b>	<b>*</b>	<b>985</b>	<b>4,363</b>	<b>3,761</b>	<b>338</b>	<b>1,794</b>	<b>1,156</b>	<b>*</b>	<b>2,993</b>	<b>*</b>	<b>*</b>	<b>17,569</b>
Clwyd	-	-	-	-	-	-	-	-	*	-	-	*
Gwynedd	*	*	*	82	*	96	*	*	*	11	-	677
Dyfed	-	*	-	20	*	*	*	-	*	4	-	*
Powys	-	*	*	-	-	*	*	-	*	*	-	810
<b>Wales</b>	<b>*</b>	<b>316</b>	<b>292</b>	<b>102</b>	<b>6</b>	<b>156</b>	<b>257</b>	<b>*</b>	<b>756</b>	<b>*</b>	<b>-</b>	<b>1,905</b>
South of Scotland	*	*	*	117	-	*	*	-	33	*	-	*
West Central Scotland	*	313	403	906	42	528	367	*	1,312	43	-	3,982
East Central Scotland	*	*	*	846	-	257	*	-	306	*	-	1,932
Tayside and Fife	-	169	*	341	*	*	*	*	*	21	-	1,169
North East Scotland	*	230	165	426	*	156	346	-	217	*	-	1,633
Highlands	-	*	*	*	*	*	*	*	*	17	-	*
Western Isles	-	-	*	*	*	*	*	-	21	-	-	*
Shetland	-	22	-	*	3	*	*	-	10	4	-	*
<b>Scotland</b>	<b>*</b>	<b>962</b>	<b>1,349</b>	<b>3,997</b>	<b>91</b>	<b>1,608</b>	<b>2,699</b>	<b>*</b>	<b>4,088</b>	<b>175</b>	<b>*</b>	<b>15,623</b>
<b>Great Britain</b>	<b>*</b>	<b>2,263</b>	<b>6,004</b>	<b>7,860</b>	<b>435</b>	<b>3,558</b>	<b>4,112</b>	<b>2,561</b>	<b>7,837</b>	<b>298</b>	<b>*</b>	<b>35,096</b>

**TABLE 5 - LIMESTONE & DOLOMITE**  
**Extractors' sales by end-use and area of origin, 2013**

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	-	-	-	59	-	-	72	-	35	1	-	121	-	-	-	-	-	-	-	289
Durham	*	-	*	229	*	*	207	-	353	*	-	*	*	-	-	-	-	*	-	2227
North Yorkshire	*	*	505	807	*	1303	891	-	875	20	-	116	*	-	-	-	-	-	4923	
West Yorkshire	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	*	
South Yorkshire	-	-	-	*	-	*	*	-	*	-	-	*	-	-	-	-	*	-	168	
Humberside	-	-	-	-	-	-	*	-	-	-	-	*	-	-	-	-	-	-	*	
Lancashire	-	*	*	428	-	*	179	-	*	*	*	*	-	-	-	-	-	*	2651	
Cumbria	*	56	*	200	*	438	275	-	387	73	-	63	*	-	-	-	*	-	2868	
Shropshire	-	-	-	-	-	*	*	-	*	-	-	*	-	-	-	-	-	-	*	
Staffordshire	-	*	*	*	-	*	*	-	*	-	-	*	-	-	-	-	-	-	*	
Warwickshire	*	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	6	
Herefordshire	-	-	-	*	-	-	-	-	*	*	-	-	-	-	-	-	-	-	*	
Derbyshire	*	*	*	1300	-	1928	658	-	569	18	*	155	*	*	*	*	*	*	11989	
Northamptonshire	*	-	-	-	-	*	*	-	*	-	-	-	-	-	-	-	-	-	*	
Leicestershire	*	*	*	*	-	*	*	-	*	-	*	*	-	-	-	-	-	-	2851	
Lincolnshire	23	-	-	-	-	-	*	-	*	-	*	488	-	-	-	-	-	-	941	
Essex	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Buckinghamshire	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Oxfordshire	*	-	-	-	-	15	-	-	*	8	-	24	-	-	-	-	-	-	435	
Kent	-	-	-	*	-	*	*	-	*	*	-	-	-	-	-	-	-	-	*	
Gloucestershire	23	*	*	238	-	*	389	-	357	*	-	*	*	-	-	-	*	-	1459	
Wiltshire	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Avon	*	*	*	519	-	507	733	-	*	*	-	*	-	-	-	-	-	*	2381	
Somerset	*	*	*	1040	-	1625	2938	-	*	*	-	59	23	-	-	-	*	*	8808	
Dorset	32	-	-	35	-	-	33	-	2	9	-	8	-	-	-	-	-	-	119	
Devon	*	80	*	*	-	*	*	-	*	*	-	68	-	-	-	-	*	*	*	
<b>England</b>	<b>419</b>	<b>*</b>	<b>*</b>	<b>5,942</b>	<b>*</b>	<b>7,385</b>	<b>6,943</b>	<b>-</b>	<b>7,480</b>	<b>200</b>	<b>6,137</b>	<b>1,388</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>175</b>	<b>*</b>	<b>644</b>	<b>46,423</b>	
Clwyd	*	*	*	762	-	730	*	-	821	*	*	*	-	-	*	-	-	-	3,864	
Gwynedd	*	-	-	*	-	-	*	-	-	-	-	*	-	-	-	-	-	-	39	
Dyfed	*	*	*	*	-	*	*	-	*	-	-	*	-	-	-	-	-	-	1,020	
Mid Glamorgan	*	*	*	*	-	637	978	-	277	*	*	*	*	-	-	-	-	-	2,959	
South Glamorgan	-	-	-	*	-	-	*	-	*	-	*	-	-	-	-	-	-	-	462	
Gwent	-	-	-	*	-	*	*	-	*	*	-	-	-	-	-	-	-	-	*	
Powys	-	-	-	-	-	*	*	-	-	-	-	*	-	-	-	-	-	-	*	
<b>Wales</b>	<b>57</b>	<b>*</b>	<b>*</b>	<b>1,278</b>	<b>-</b>	<b>1,777</b>	<b>2,067</b>	<b>-</b>	<b>1,376</b>	<b>*</b>	<b>*</b>	<b>167</b>	<b>*</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,934</b>	
West Central Scotland	-	-	-	*	-	*	*	-	*	*	-	*	-	-	-	-	-	*	*	
East Central Scotland	-	-	-	*	-	-	-	-	*	-	*	-	-	-	-	-	-	*	*	
Tayside and Fife	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	*	*	
North East Scotland	-	-	-	*	-	*	*	-	-	-	-	*	-	-	-	-	-	-	155	
Highlands	-	-	-	*	-	*	*	-	*	-	-	*	-	-	*	-	-	*	*	
<b>Scotland</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>70</b>	<b>*</b>	<b>*</b>	<b>244</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>1,269</b>	
<b>Great Britain</b>	<b>477</b>	<b>1,116</b>	<b>3,099</b>	<b>7,276</b>	<b>*</b>	<b>9,186</b>	<b>9,016</b>	<b>-</b>	<b>8,926</b>	<b>227</b>	<b>8,115</b>	<b>1,799</b>	<b>3,396</b>	<b>*</b>	<b>570</b>	<b>*</b>	<b>175</b>	<b>85</b>	<b>644</b>	<b>56,626</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, 2013

Thousand cubic metres

Area of Origin	Horticultural use	Other uses	Total
Lancashire	*	-	*
Cumbria	*	-	*
Greater Manchester	86	-	86
Cheshire	*	-	*
Somerset	*	-	*
<b>England</b>	<b>661</b>	-	<b>661</b>
South of Scotland	*	-	*
West Central Scotland	*	*	270
East Central Scotland	*	-	*
North East Scotland	5	14	20
Highlands	-	3	3
Orkney	1	-	1
Shetland	-	*	*
<b>Scotland</b>	<b>570</b>	<b>24</b>	<b>594</b>
<b>Great Britain</b>	<b>1,231</b>	<b>24</b>	<b>1,254</b>

TABLE 7 - CRUSHED ROCK

PA1007

Extractors' sales by end-use and area of origin, 2013

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	*	*	162	*	*	*	*	*	*	976
Tyne & Wear	-	-	59	-	-	72	-	35	1	168
Durham	-	*	230	*	*	244	-	353	12	1,619
North Yorkshire	*	*	807	*	1,304	1,046	-	948	20	5,317
West Yorkshire	-	-	-	-	*	*	-	*	-	*
South Yorkshire	-	-	*	-	*	*	-	*	*	88
Humberside	-	-	-	-	-	*	-	-	-	*
Lancashire	*	*	*	-	*	567	-	612	*	2,255
Cumbria	56	*	216	*	441	604	-	446	73	2,430
Greater Manchester	-	-	-	-	-	*	-	-	-	*
Cheshire	-	-	-	-	-	-	-	*	-	*
Shropshire	*	743	502	*	*	102	7	718	9	2,851
Staffordshire	*	*	*	-	*	*	-	*	-	*
Warwickshire	*	*	*	-	-	*	-	*	-	*
Herefordshire	*	-	*	-	*	*	-	*	*	*
Derbyshire	*	*	1,300	-	1,928	658	*	569	19	4,975
Northamptonshire	-	-	-	-	-	-	-	112	-	112
Leicestershire	384	329	3,285	*	1,632	574	*	1,855	*	13,225
Lincolnshire	-	-	-	-	-	*	-	*	-	335
Norfolk	-	-	-	-	-	-	-	19	*	*
Oxfordshire	-	-	-	-	15	-	-	*	8	405
Kent	-	-	*	-	*	*	-	*	*	*
West Sussex	-	-	-	-	-	-	-	*	-	*
Gloucestershire	*	*	*	-	*	389	-	357	*	1,271
Avon	*	*	519	-	*	733	-	*	*	2,228
Somerset	*	*	1,194	-	1,625	2,938	-	2,203	*	9,542
Dorset	-	-	35	-	-	33	-	2	9	79
Devon	*	*	*	-	*	*	-	828	12	2,182
Cornwall	128	88	148	*	161	245	-	394	*	1,236
<b>England</b>	*	*	<b>10,026</b>	<b>705</b>	<b>9,348</b>	<b>9,371</b>	*	<b>11,378</b>	*	<b>53,417</b>
Clwyd	*	*	762	-	*	*	-	846	*	3,144
Gwynedd	*	*	*	*	96	*	*	*	11	709
Dyfed	*	*	141	*	*	*	-	*	4	1,389
West Glamorgan	-	*	*	-	*	*	-	*	*	*
Mid Glamorgan	*	*	*	-	*	*	-	349	*	2,843
South Glamorgan	-	-	*	-	-	*	-	*	-	*
Gwent	*	*	*	-	*	*	-	*	*	*
Powys	*	*	*	*	*	*	-	*	*	2,442
<b>Wales</b>	*	<b>1,928</b>	*	*	*	<b>2,682</b>	*	<b>2,557</b>	*	<b>11,706</b>
South of Scotland	*	*	386	*	*	232	-	175	*	1,113
West Central Scotland	321	449	*	56	592	464	*	1,424	46	4,572
East Central Scotland	*	*	847	-	257	*	-	334	*	1,955
Tayside and Fife	169	*	341	*	*	*	*	*	21	1,169
North East Scotland	230	*	469	*	159	368	-	218	*	1,684
Highlands	*	*	*	*	*	*	*	*	*	*
Western Isles	-	*	*	*	*	*	-	21	-	54
Orkney	*	-	*	*	*	*	-	*	*	*
Shetland	22	-	*	3	*	*	-	10	4	*
<b>Scotland</b>	<b>1,060</b>	*	*	*	*	<b>2,959</b>	*	<b>4,457</b>	<b>199</b>	<b>17,310</b>
<b>Great Britain</b>	<b>4,024</b>	<b>11,478</b>	<b>16,200</b>	<b>936</b>	<b>13,211</b>	<b>15,011</b>	<b>2,600</b>	<b>18,393</b>	<b>581</b>	<b>82,433</b>

**TABLE 8 - CLAY & SHALE**  
**Extractors' sales by end-use and area of origin, 2013**

PA1007

Thousand tonnes

Area of Origin	Bricks, pipes & tiles	Cement	Constructional uses	Other uses	Total
Tyne & Wear	106	-	-	-	106
Durham	*	-	-	-	*
North Yorkshire	-	-	*	-	*
West Yorkshire	291	-	-	-	291
South Yorkshire	*	-	-	-	*
Humberside	*	*	-	*	219
Lancashire	73	-	*	-	*
Cumbria	*	-	-	-	*
Greater Manchester	-	-	-	-	-
Merseyside	*	-	-	-	*
Shropshire	*	-	-	-	*
Staffordshire	*	*	-	-	814
West Midlands	220	-	-	-	220
Warwickshire	*	467	-	-	*
Worcestershire	*	-	-	-	*
Derbyshire	*	*	-	-	358
Leicestershire	*	*	-	-	661
Nottinghamshire	*	-	-	-	*
Cambridgeshire	*	-	-	-	*
Essex	2	*	-	-	*
Hertfordshire	12	-	-	-	12
Buckinghamshire	*	-	-	-	*
Surrey	85	-	-	-	85
Kent	*	-	-	-	*
West Sussex	324	-	-	-	324
East Sussex	*	-	-	-	*
West Sussex	324	-	-	-	324
Hampshire	*	-	-	*	*
Gloucestershire	*	-	11	*	*
Wiltshire	-	-	*	-	*
Avon	*	-	-	-	*
Dorset	*	-	-	-	*
Devon	-	-	167	-	167
<b>England</b>	*	<b>1,440</b>	<b>414</b>	*	<b>6,026</b>
Dyfed	1	-	*	-	*
Powys	-	-	*	-	*
<b>Wales</b>	<b>1</b>	-	*	*	*
South of Scotland	-	-	*	-	*
West Central Scotland	*	-	-	-	*
<b>Scotland</b>	*	-	*	-	*
<b>Great Britain</b>	<b>4,088</b>	<b>1,440</b>	<b>839</b>	<b>97</b>	<b>6,464</b>

**TABLE 9 - CHALK**  
**Extractors' sales by end-use and area of origin, 2013**

**PA1007**

Thousand tonnes

Area of origin	Cement	Other Constructional	Agricultural uses	Industrial uses	Total
Humberside	445	*	67	*	1,638
Lincolnshire	-	*	*	-	*
Cambridgeshire	*	-	*	*	*
Norfolk	-	-	41	-	41
Suffolk	-	-	23	9	32
Essex	-	-	*	-	*
Hertfordshire	-	-	30	-	30
Bedfordshire	*	-	-	-	*
Kent	-	10	44	-	54
West Sussex	-	-	*	-	*
Hampshire	-	*	*	-	*
Isle of Wight	-	*	-	-	*
Devon	-	-	14	-	14
<b>England</b>	*	*	<b>330</b>	*	<b>3,528</b>

NB Only those parts of GB producing chalk are identified

TABLE 10 - FIRECLAY

PA1007

Extractors' totals sales by area of origin, 2013

Thousand tonnes

Area of origin	Total
West Yorkshire	*
Shropshire	*
Leicestershire	*
<b>England</b>	<b>98</b>
West Central Scotland	7
<b>Scotland</b>	<b>7</b>
<b>Great Britain</b>	<b>105</b>



**TABLE 11 - ORE MINERALS**  
**Extractors' sales by end-use and area of origin, 2013**

**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, 2013**

**PA1007**  
 Thousand tonnes

Mineral	Area of origin	Sales	
<b>Ball clay</b>	Dorset, Devon	*	
<b>Chert and Flint</b>	Surrey, Kent	*	
<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	6,601	
<b>Salt from brine</b>			
<b>Salt in brine</b>			
<b>Silica stone</b>	Durham	*	
<b>Slate (includes some "roofing stone")</b>	Northumberland, Cumbria, Derbyshire, Gloucestershire, Wiltshire, Devon, Cornwall, Clwyd, Gwynedd Dyfed, West Central Scotland	885	(a)
<b>Soapstone &amp; Talc</b>	Shetland	3	

(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 8 ; Powder and granules \* ; Crude Blocks 32 ; Fill and other uses 798.

**TABLE 13 - ALL MINERALS**  
**Employment by mineral and area, 2013**

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	-	-	117	310	-	-	-	-	75	504
Durham	-	53	6	9	38	-	-	8	-	-	3	117
Northumberland	1	43	24	225	-	42	-	-	-	-	-	335
Tyne & Wear	-	1	-	-	19	-	-	5	-	-	-	25
Humberside	6	109	-	-	568	79	114	24	-	-	-	900
North Yorkshire	1	1,141	170	-	54	1	-	12	-	-	-	1,379
South Yorkshire	-	908	3	-	1	-	-	3	-	-	-	915
West Yorkshire	-	12	208	-	1,127	150	-	19	16	-	-	1,532
Derbyshire	-	84	47	-	139	-	-	15	-	-	42	327
Leicestershire	-	426	-	-	115	-	-	36	11	-	1	589
Lincolnshire	1	242	-	-	17	-	20	-	-	-	-	280
Northamptonshire	-	7	9	-	-	-	-	-	-	-	-	16
Nottinghamshire	1	235	-	-	466	-	-	15	-	-	36	753
Cumbria	1	663	25	94	-	-	-	1	-	199	162	1,145
Cheshire	121	132	41	-	-	-	-	-	-	3	1,015	1,312
Greater Manchester	-	85	1	-	384	-	-	46	-	27	-	543
Lancashire	-	21	88	-	-	-	-	24	-	42	-	175
Merseyside	-	1	-	-	2	-	-	2	-	-	-	5
Herefordshire	1	54	39	-	-	-	-	-	-	-	-	94
Worcestershire	7	88	-	-	19	-	-	11	-	-	-	125
Shropshire	-	973	317	213	106	-	-	6	5	1	-	1,621
Staffordshire	1	566	-	-	9	-	-	84	-	-	1	661
Warwickshire	-	27	-	197	-	-	-	31	-	-	-	255
West Midlands	1	74	-	-	1	-	-	17	-	-	-	93
Essex	1	328	-	-	-	-	3	3	-	-	-	335
Bedfordshire	1	218	-	-	-	-	25	-	-	-	-	244
Hertfordshire	-	238	-	-	-	-	42	2	-	-	-	282
Cambridgeshire	-	263	-	-	-	-	34	6	-	-	-	303
Norfolk	1	152	9	-	-	-	10	-	-	-	-	172
Suffolk	1	168	-	-	-	-	11	-	-	-	-	180
Berkshire	-	162	-	-	2	-	-	-	-	-	-	164
Buckinghamshire	-	134	-	-	-	-	-	2	-	-	-	136
East Sussex	-	2	-	-	-	-	-	12	-	-	1	15
Greater London	-	80	-	-	-	-	-	-	-	-	-	80
Hampshire	-	305	-	-	-	-	9	1	-	-	-	315
Isle of Wight	-	42	-	-	88	-	13	-	-	-	-	143
Kent	1	120	-	-	66	-	172	5	-	-	1	365
Oxfordshire	-	298	-	-	-	-	-	-	-	-	-	298
Surrey	5	94	-	-	-	-	-	57	-	-	-	156
West Sussex	-	5	17	-	290	-	7	25	-	-	-	344
Avon	-	3	-	-	-	-	-	4	-	-	-	7
Cornwall	1	3	115	361	901	-	-	-	-	-	69	1,450
Devon	1	184	70	1	104	-	6	14	-	-	27	407
Dorset	1	234	1	-	355	-	-	5	-	-	32	628
Gloucestershire	-	278	14	-	1,447	-	-	111	-	-	49	1,899
Somerset	-	42	6	169	14	-	-	-	-	41	-	272
Wiltshire	-	194	-	-	6,449	582	-	1	-	-	1	7,227
<b>England</b>	<b>155</b>	<b>9,494</b>	<b>1,210</b>	<b>1,269</b>	<b>12,898</b>	<b>1,164</b>	<b>466</b>	<b>607</b>	<b>32</b>	<b>313</b>	<b>1,515</b>	<b>29,123</b>
Clwyd	1	98	-	7	253	-	-	-	-	-	9	368
Dyfed	1	49	46	142	27	-	-	3	-	-	1	269
Gwent	-	2	79	-	24	-	-	-	-	-	-	105
Gwynedd	-	19	-	159	420	52	-	-	-	-	22	672
Mid Glamorgan	-	-	24	-	15	-	-	-	-	-	-	39
Powys	-	-	434	30	17	-	-	6	-	-	-	487
South Glamorgan	-	2	-	-	15	-	-	-	-	-	-	17
West Glamorgan	-	1	68	-	1,151	52	-	-	-	-	-	1,272
<b>Wales</b>	<b>2</b>	<b>171</b>	<b>651</b>	<b>338</b>	<b>1,922</b>	<b>104</b>	<b>-</b>	<b>9</b>	<b>-</b>	<b>-</b>	<b>32</b>	<b>3,229</b>
East Central Scotland	1	45	-	127	8	8	-	-	-	32	-	221
Highlands	-	60	71	203	26	-	-	-	-	1	-	361
North East Scotland	-	225	10	455	-	-	-	-	-	6	-	696
Orkney Isles	-	5	61	-	-	-	-	-	-	4	-	70
Shetland Isles	-	5	18	55	-	-	-	-	-	2	2	82
South of Scotland	-	167	165	141	10	-	-	20	-	7	-	510
Tayside & Fife	23	126	-	134	15	-	-	-	-	-	25	323
West Central Scotland	1	328	91	900	-	-	-	5	1	82	4	1,412
Western Isles	-	17	-	14	84	8	-	-	-	-	-	123
<b>Scotland</b>	<b>25</b>	<b>978</b>	<b>416</b>	<b>2,029</b>	<b>143</b>	<b>16</b>	<b>-</b>	<b>25</b>	<b>1</b>	<b>134</b>	<b>31</b>	<b>3,798</b>
<b>Great Britain</b>	<b>182</b>	<b>10,643</b>	<b>2,277</b>	<b>3,636</b>	<b>14,963</b>	<b>1,284</b>	<b>466</b>	<b>641</b>	<b>33</b>	<b>447</b>	<b>1,578</b>	<b>36,150</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, 2013

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	-	-	-	-	-	-	-	-	28	30
Durham	-	3	6	9	26	43	-	3	-	-	1	91
Northumberland	1	7	12	49	-	-	-	-	-	-	-	69
Tyne & Wear	-	1	-	-	-	27	-	1	-	-	-	29
Humberside	2	51	-	-	5	-	51	24	-	-	-	133
North Yorkshire	1	62	44	-	155	29	-	5	-	-	-	296
South Yorkshire	-	17	3	-	21	1	-	2	-	-	-	44
West Yorkshire	-	8	172	-	1	-	-	9	2	-	-	192
Cumbria	1	34	17	41	103	-	-	1	-	94	155	446
Cheshire	22	15	19	-	-	-	-	-	-	1	125	182
Greater Manchester	-	11	1	-	-	-	-	16	-	6	-	34
Lancashire	-	10	28	-	65	-	-	14	-	42	-	159
Merseyside	-	1	-	-	-	-	-	2	-	-	-	3
Herefordshire	1	5	24	-	1	-	-	-	-	-	-	31
Worcestershire	7	15	-	-	-	-	-	2	-	-	-	24
Shropshire	-	92	47	61	4	-	-	2	2	1	-	209
Staffordshire	1	108	6	-	33	-	-	28	-	-	1	177
Warwickshire	-	21	-	27	3	-	-	5	-	-	-	56
West Midlands	1	16	-	-	-	-	-	8	-	-	-	25
Derbyshire	-	26	32	-	429	43	-	3	-	-	25	558
Leicestershire	-	42	-	290	56	-	-	6	3	-	1	398
Lincolnshire	1	72	-	-	47	-	2	-	-	-	-	122
Northamptonshire	-	7	4	-	7	-	-	-	-	-	-	18
Nottinghamshire	1	48	-	-	-	-	-	4	-	-	2	55
Essex	1	59	-	-	-	-	1	3	-	-	-	64
Bedfordshire	1	31	-	-	-	-	12	-	-	-	-	44
Hertfordshire	-	42	-	-	-	-	16	2	-	-	-	60
Cambridgeshire	-	34	-	-	6	-	19	6	-	-	-	65
Norfolk	1	71	7	-	-	-	7	-	-	-	-	86
Suffolk	1	42	-	-	-	-	7	-	-	-	-	50
Berkshire	-	29	-	-	-	-	-	-	-	-	-	29
Buckinghamshire	-	22	-	-	2	-	-	2	-	-	-	26
East Sussex	-	2	-	-	-	-	-	12	-	-	1	15
Greater London	-	30	-	-	-	-	-	-	-	-	-	30
Hampshire	-	43	-	-	-	-	5	1	-	-	-	49
Isle of Wight	-	24	-	-	-	-	3	-	-	-	-	27
Kent	1	46	-	-	38	-	89	2	-	-	1	177
Oxfordshire	-	35	-	-	15	-	-	-	-	-	-	50
Surrey	5	18	-	-	-	-	-	48	-	-	-	71
West Sussex	-	5	15	-	-	-	7	20	-	-	-	47
Avon	-	3	-	-	85	-	-	4	-	-	-	92
Cornwall	1	3	16	86	-	-	-	-	-	-	59	165
Devon	1	22	17	1	215	-	2	1	-	-	20	279
Dorset	1	61	1	-	69	-	-	1	-	-	21	154
Gloucestershire	-	28	12	-	180	-	-	75	-	-	39	334
Somerset	-	7	4	64	215	-	-	-	-	33	-	323
Wiltshire	-	30	-	-	11	-	-	1	-	-	-	42
<b>England</b>	<b>52</b>	<b>1,361</b>	<b>487</b>	<b>628</b>	<b>1,792</b>	<b>143</b>	<b>221</b>	<b>313</b>	<b>7</b>	<b>177</b>	<b>479</b>	<b>5,660</b>
Clwyd	1	17	-	2	87	-	-	-	-	-	7	114
Dyfed	1	33	6	36	61	-	-	3	-	-	1	141
Gwent	-	2	7	-	17	-	-	-	-	-	-	26
Gwynedd	-	13	-	45	14	-	-	-	-	-	15	87
Mid Glamorgan	-	-	24	-	93	1	-	-	-	-	-	118
Powys	-	1	79	29	-	-	-	5	-	-	-	114
South Glamorgan	-	2	-	-	13	-	-	-	-	-	-	15
West Glamorgan	-	1	22	-	-	-	-	-	-	-	-	23
<b>Wales</b>	<b>2</b>	<b>69</b>	<b>138</b>	<b>112</b>	<b>285</b>	<b>1</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>23</b>	<b>638</b>
East Central Scotland	1	22	-	34	23	-	-	-	-	12	-	92
Highlands	-	30	33	164	7	4	-	-	-	1	-	239
North East Scotland	-	76	10	78	9	-	-	-	-	4	-	177
Orkney Isles	-	3	16	-	1	-	-	-	-	4	-	24
Shetland Isles	-	2	7	15	-	-	-	-	-	2	2	28
South of Scotland	-	38	50	24	-	-	-	6	-	7	-	125
Tayside & Fife	18	70	2	69	8	-	-	-	-	-	18	185
West Central Scotland	1	91	22	251	8	-	-	4	-	25	1	403
Western Isles	-	8	-	10	-	-	-	-	-	-	-	18
<b>Scotland</b>	<b>20</b>	<b>340</b>	<b>140</b>	<b>645</b>	<b>56</b>	<b>4</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>55</b>	<b>21</b>	<b>1,291</b>
<b>Great Britain</b>	<b>74</b>	<b>1,770</b>	<b>765</b>	<b>1,385</b>	<b>2,133</b>	<b>148</b>	<b>221</b>	<b>331</b>	<b>7</b>	<b>232</b>	<b>523</b>	<b>7,589</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**  
**Contractors Employed by mineral and area, 2013**

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Cleveland	-	-	-	-	-	-	-	-	-	-	47	47
Durham	-	-	-	-	1	10	-	5	-	-	-	16
Northumberland	-	1	6	4	-	-	-	-	-	-	-	11
Tyne & Wear	-	-	-	-	-	3	-	2	-	-	-	5
Humberside	2	4	-	-	-	-	14	-	-	-	-	20
North Yorkshire	-	807	4	-	15	2	-	-	-	-	-	828
South Yorkshire	-	766	-	-	7	-	-	1	-	-	-	774
West Yorkshire	-	4	21	-	-	-	-	10	4	-	-	39
Cumbria	-	387	-	-	41	-	-	-	-	4	7	439
Cheshire	5	2	-	-	-	-	-	-	-	2	20	29
Greater Manchester	-	4	-	-	-	-	-	-	-	6	-	10
Lancashire	-	-	-	-	10	-	-	2	-	-	-	12
Herefordshire	-	1	4	-	-	-	-	-	-	-	-	5
Worcestershire	-	3	-	-	-	-	-	9	-	-	-	12
Shropshire	-	840	13	-	1	-	-	1	-	-	-	855
Staffordshire	-	27	-	-	5	-	-	15	-	-	-	47
Warwickshire	-	-	-	3	-	-	-	11	-	-	-	14
West Midlands	-	3	-	-	-	-	-	3	-	-	-	6
Derbyshire	-	2	5	-	81	8	-	7	-	-	12	115
Leicestershire	-	12	-	96	4	-	-	10	-	-	-	122
Lincolnshire	-	14	-	-	13	-	-	-	-	-	-	27
Nottinghamshire	-	8	-	-	-	-	-	6	-	-	30	44
Northamptonshire	-	-	1	-	-	-	-	-	-	-	-	1
Essex	-	17	-	-	-	-	-	-	-	-	-	17
Bedfordshire	-	8	-	-	-	-	13	-	-	-	-	21
Cambridgeshire	-	7	-	-	2	-	2	-	-	-	-	11
Norfolk	-	15	-	-	-	-	-	-	-	-	-	15
Suffolk	-	8	-	-	-	-	-	-	-	-	-	8
Hertfordshire	-	14	-	-	-	-	4	-	-	-	-	18
Berkshire	-	5	-	-	-	-	-	-	-	-	-	5
Buckinghamshire	-	12	-	-	-	-	-	-	-	-	-	12
East Sussex	-	0	-	-	-	-	-	-	-	-	-	0
Greater London	-	10	-	-	-	-	-	-	-	-	-	10
Hampshire	-	8	-	-	-	-	-	-	-	-	-	8
Isle of Wight	-	17	-	-	-	-	1	-	-	-	-	18
Kent	-	12	-	-	-	-	2	3	-	-	-	17
Oxfordshire	-	3	-	-	4	-	-	-	-	-	-	7
Surrey	-	6	-	-	-	-	-	1	-	-	-	7
West Sussex	-	-	-	-	-	-	-	4	-	-	-	4
Avon	-	-	-	-	26	-	-	-	-	-	-	26
Cornwall	-	-	1	183	-	-	-	-	-	-	-	184
Devon	-	13	49	-	7	-	-	4	-	-	4	77
Dorset	-	4	-	-	8	-	-	4	-	-	4	20
Gloucestershire	-	-	-	-	20	-	-	-	-	-	5	25
Somerset	-	-	2	11	92	-	-	-	-	2	-	107
Wiltshire	-	7	-	-	3	-	-	-	-	-	-	10
<b>England</b>	<b>7</b>	<b>3,051</b>	<b>106</b>	<b>297</b>	<b>340</b>	<b>23</b>	<b>36</b>	<b>98</b>	<b>4</b>	<b>14</b>	<b>129</b>	<b>4,105</b>
Clwyd	-	3	-	3	11	-	-	-	-	-	-	17
Dyfed	-	8	-	-	6	-	-	-	-	-	-	14
Gwynedd	-	-	-	4	-	-	-	-	-	-	-	4
Mid Glamorgan	-	-	-	-	131	1	-	-	-	-	-	132
Gwent	-	-	1	-	-	-	-	-	-	-	-	1
Powys	-	-	18	-	-	-	-	-	-	-	-	18
South Glamorgan	-	-	-	-	3	-	-	-	-	-	-	3
West Glamorgan	-	-	11	-	-	-	-	-	-	-	-	11
<b>Wales</b>	<b>0</b>	<b>11</b>	<b>30</b>	<b>7</b>	<b>151</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200</b>
East Central Scotland	-	-	-	5	1	-	-	-	-	-	-	6
Highlands	-	5	2	1	-	-	-	-	-	-	-	8
North East Scotland	-	1	-	4	-	-	-	-	-	2	-	7
Orkney Isles	-	1	-	-	-	-	-	-	-	-	-	1
Shetland Isles	-	1	2	-	-	-	-	-	-	-	-	3
South of Scotland	-	10	1	1	-	-	-	2	-	-	-	14
Tayside & Fife	2	6	-	2	-	-	-	-	-	-	1	11
West Central Scotland	-	22	-	30	1	-	-	1	-	15	1	70
Western Isles	-	1	-	-	-	-	-	-	-	-	-	1
<b>Scotland</b>	<b>2</b>	<b>47</b>	<b>5</b>	<b>43</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>17</b>	<b>2</b>	<b>121</b>
<b>Great Britain</b>	<b>9</b>	<b>3,109</b>	<b>141</b>	<b>347</b>	<b>493</b>	<b>24</b>	<b>36</b>	<b>101</b>	<b>4</b>	<b>31</b>	<b>131</b>	<b>4,426</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, 2013**

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Durham	-	50	-	-	90	257	-	-	-	-	2	399
Northumberland	-	35	6	172	-	-	-	-	-	-	-	213
Tyne & Wear	-	-	-	-	-	12	-	2	-	-	-	14
Humberside	2	54	-	-	14	-	49	-	-	-	-	119
North Yorkshire	-	272	122	-	398	48	-	7	-	-	-	847
South Yorkshire	-	125	-	-	26	-	-	-	-	-	-	151
West Yorkshire	-	-	15	-	-	-	-	-	10	-	-	25
Cumbria	-	242	8	53	322	-	-	-	-	101	-	726
Cheshire	94	115	22	-	-	-	-	-	-	-	870	1,101
Greater Manchester	-	70	-	-	-	-	-	30	-	15	-	115
Lancashire	-	11	60	-	309	-	-	8	-	-	-	388
Herefordshire	-	48	11	-	1	-	-	-	-	-	-	60
Worcestershire	-	70	-	-	-	-	-	-	-	-	-	70
Shropshire	-	41	257	152	14	-	-	3	3	-	-	470
Staffordshire	-	431	-	-	68	-	-	41	-	-	-	540
Warwickshire	-	6	-	167	6	-	-	15	-	-	-	194
West Midlands	-	55	-	-	-	-	-	6	-	-	-	61
Derbyshire	-	56	10	-	617	99	-	5	-	-	5	792
Leicestershire	-	372	-	1,883	79	-	-	20	8	-	-	2,362
Lincolnshire	-	156	-	-	55	-	18	-	-	-	-	229
Northamptonshire	-	-	4	-	10	-	-	-	-	-	-	14
Nottinghamshire	-	179	-	-	-	-	-	5	-	-	4	188
Essex	-	252	-	-	-	-	2	-	-	-	-	254
Bedfordshire	-	179	-	-	-	-	-	-	-	-	-	179
Hertfordshire	-	182	-	-	-	-	22	-	-	-	-	204
Cambridgeshire	-	222	-	-	30	-	13	-	-	-	-	265
Norfolk	-	66	2	-	-	-	3	-	-	-	-	71
Suffolk	-	118	-	-	-	-	4	-	-	-	-	122
Berkshire	-	128	-	-	-	-	-	-	-	-	-	128
Buckinghamshire	-	100	-	-	-	-	-	-	-	-	-	100
Greater London	-	40	-	-	-	-	-	-	-	-	-	40
Hampshire	-	254	-	-	-	-	4	-	-	-	-	258
Isle of Wight	-	1	-	-	-	-	9	-	-	-	-	10
Kent	-	62	-	-	50	-	81	-	-	-	-	193
Oxfordshire	-	260	-	-	47	-	-	-	-	-	-	307
Surrey	-	70	-	-	-	-	-	8	-	-	-	78
West Sussex	-	-	2	-	-	-	-	1	-	-	-	3
Avon	-	-	-	-	179	-	-	-	-	-	-	179
Cornwall	-	-	98	92	-	-	-	-	-	-	10	200
Devon	-	149	4	-	679	-	4	9	-	-	3	848
Dorset	-	169	-	-	27	-	-	-	-	-	7	203
Gloucestershire	-	250	2	-	155	-	-	36	-	-	5	448
Somerset	-	35	-	94	1,140	-	-	-	-	6	-	1,275
Wiltshire	-	157	-	-	-	-	-	-	-	-	-	157
<b>England</b>	<b>96</b>	<b>5,082</b>	<b>623</b>	<b>2,613</b>	<b>4,316</b>	<b>416</b>	<b>209</b>	<b>196</b>	<b>21</b>	<b>122</b>	<b>906</b>	<b>14,600</b>
Clwyd	-	78	-	2	282	-	-	-	-	-	2	364
Dyfed	-	8	40	106	186	-	-	-	-	-	-	340
Gwent	-	-	71	-	10	-	-	-	-	-	-	81
Gwynedd	-	6	-	110	10	-	-	-	-	-	7	133
Mid Glamorgan	-	-	-	-	196	50	-	-	-	-	-	246
Powys	-	-	337	1	-	-	-	1	-	-	-	339
South Glamorgan	-	-	-	-	1	-	-	-	-	-	-	1
West Glamorgan	-	-	35	-	-	-	-	-	-	-	-	35
<b>Wales</b>	<b>-</b>	<b>92</b>	<b>483</b>	<b>219</b>	<b>685</b>	<b>50</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>9</b>	<b>1,539</b>
East Central Scotland	-	23	-	88	-	-	-	-	-	20	-	131
Highlands	-	25	36	38	1	4	-	-	-	-	-	104
North East Scotland	-	148	-	373	17	-	-	-	-	-	-	538
Orkney Isles	-	1	45	-	-	-	-	-	-	-	-	46
Shetland Isles	-	2	9	40	-	-	-	-	-	-	-	51
South of Scotland	-	119	114	116	-	-	-	12	-	-	-	361
Tayside & Fife	3	50	1	63	2	-	-	-	-	-	6	125
West Central Scotland	-	215	69	619	6	-	-	-	-	42	2	953
Western Isles	-	8	-	4	-	-	-	-	-	-	-	12
<b>Scotland</b>	<b>3</b>	<b>591</b>	<b>274</b>	<b>1,341</b>	<b>26</b>	<b>4</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>62</b>	<b>8</b>	<b>2,321</b>
<b>Great Britain</b>	<b>99</b>	<b>5,765</b>	<b>1,380</b>	<b>4,173</b>	<b>5,027</b>	<b>470</b>	<b>209</b>	<b>209</b>	<b>21</b>	<b>184</b>	<b>923</b>	<b>18,460</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