

# **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.**

**2009**

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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.

## CONTENTS

Notes to Tables

Regional Definitions

Tables

**Table A** Limestone, Dolomite & Chalk

**Table B** Limestone, Dolomite & Chalk

**Table 1** Industrial Sand

**Table 2** Sand & Gravel for construction

**Table 3** Sandstone

**Table 4** Igneous Rock

**Table 5** Limestone (including dolomite for constructional use)

**Table 5A** Dolomite

**Table 6** Peat

**Table 7** Crushed Rock Summary

**Table 8** Clay & Shale

**Table 9** Chalk

**Table 10** Fireclay

**Table 11** Ore Minerals

**Table 12** Other Minerals

**Table 13** All Minerals - All Employment

**Table 14** All Minerals - Direct Employment

**Table 15** All Minerals - Contractors Employed

**Table 16** All Minerals - Drivers

## 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 Regional 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 92.8 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. Areas shown are basically counties for England and Wales and regions for Scotland, grouped where possible into Government Office Regions (GoRs) and country. Where counties and GoRs are shown together the GoR totals appear in bold type.

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 5 September 2009 (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

Regional and county figures are given where possible in Tables 5 and 7. 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

REGIONAL DEFINITION USED IN THIS REPORT

Government Offices for the Regions (GoR) were formed in 1994 and it was agreed that, as from 1 April 1997, these boundaries would become the primary classification for presenting statistical information at a regional level. These boundaries are now being used in this report in respect of data for 2009. Information for previous years used Economic Planning Regions (EPR) and the table below shows how these two definitions are related to enable information for 2009 to be compared with that for previous years.

Co-incidental with the adoption of GoR boundaries for statistical purposes, local authorities were also re-organised and the relationship between the old and new structures is also shown in the table below. The tables in the report all use the old county names since each of the new unitary authorities would, in general, cover fewer quarries, which could result in more figures being disclosive.

Note:

London is now classed as a Region, however, in this report it is presented under the South East to provide continuity with earlier publications.

From 2004 there are now 9 Scottish regions compared to 12 in previous releases. This change was requested by the Scottish Executive.

REGION (EPR)	COUNTY	COUNTY/UNITARY	REGION (GoR)	
North	Northumberland	Northumberland	North East	
	Durham	Durham		
	Tyne & Wear	Darlington Newcastle Upon Tyne Gateshead Sunderland North Tyneside South Tyneside		
	Cleveland	Hartlepool Redcar & Cleveland Middlesbrough Stockton-on-Tees		
North West	Cumbria	Cumbria	North West	
	Lancashire	Lancashire		
	Greater Manchester			Blackburn Blackpool Tameside Stockport Manchester Trafford Salford Oldham Rochdale Bury
				Wigan
				Cheshire
Merseyside	Halton Warrington Sefton Wirral Liverpool Knowsley St. Helens			
Yorkshire & Humberside	North Yorkshire	North Yorkshire	Yorkshire & The Humber	
	West Yorkshire	York Leeds Bradford Calderdale Kirklees		
	South Yorkshire	Wakefield Sheffield Rotherham Doncaster		
	Humberside	Barnsley East Riding of Yorkshire Kingston-upon-Hull North East Lincolnshire North Lincolnshire		
West Midlands	Hereford & Worcester	Herefordshire Worcestershire	West Midlands	
	Shropshire	Shropshire		
	Staffordshire	The Wrekin Staffordshire Stoke-on-Trent		
	Warwickshire	Warwickshire		
	West Midlands	Birmingham Wolverhampton Dudley Walsall Sandwell Solihull Coventry		
East Midlands	Derbyshire	Derbyshire Derby	East Midlands	
	Leicestershire	Leicestershire Leicester Rutland		
	Lincolnshire	Lincolnshire		
	Northamptonshire Nottinghamshire	Northamptonshire Nottinghamshire Nottingham		
East Anglia	Cambridgeshire	Cambridgeshire Peterborough	East of England	
	Norfolk	Norfolk		
	Suffolk	Suffolk		
	Bedfordshire	Bedfordshire		
	Essex	Luton Essex Thurrock		
	Hertfordshire	Southend on Sea Hertfordshire		

REGION (EPR)	COUNTY	COUNTY/UNITARY	REGION (GoR)
South East	Berkshire Buckinghamshire East Sussex Hampshire Isle of Wight Kent Oxfordshire Surrey West Sussex Greater London	Bracknell Forest	South East
		Newbury	
		Reading	
		Slough	
		Windsor & Maidenhead	
		Wokingham	
		Buckinghamshire	
		Milton Keynes	
		East Sussex	
		Brighton & Hove	
		Hampshire	
		Hampshire	
Portsmouth			
Southampton			
Isle of Wight			
Kent			
Kent			
Medway			
Oxfordshire			
Oxfordshire			
Surrey			
Surrey			
West Sussex			
West Sussex			
Inner London Boroughs			
Outer London Boroughs			
South West	Avon Cornwall Devon Dorset Gloucestershire Somerset Wiltshire	Bath & North East Somerset	South West
		Bristol	
		North Somerset	
		South Gloucestershire	
		Cornwall	
		Devon	
		Devon	
		Plymouth	
		Torbay	
		Dorset	
		Dorset	
		Bournemouth	
Poole			
Gloucestershire			
Gloucestershire			
Somerset			
Somerset			
Wiltshire			
Wiltshire			
Thamesdown/Swindon			
Wales	Gwynedd Clwyd Powys Dyfed West Glamorgan Mid Glamorgan South Glamorgan Gwent	Anglesey	Wales
		Gwynedd	
		Conwy	
		Denbighshire	
		Flintshire	
		Wrexham	
		Wrexham	
		Powys	
		Powys	
		Ceredigion	
		Pembrokeshire	
		Pembrokeshire	
Carmarthenshire			
Carmarthenshire			
Swansea			
Swansea			
Neath Port Talbot			
Neath Port Talbot			
Bridgend			
Bridgend			
Rhondda Cynon Taff			
Rhondda Cynon Taff			
Merthyr Tydfil			
Merthyr Tydfil			
Vale of Glamorgan			
Vale of Glamorgan			
Cardiff			
Cardiff			
Gwent			
Gwent			
Caerphilly			
Caerphilly			
Torfaen			
Torfaen			
Monmouthshire			
Monmouthshire			
Newport			
Newport			
Scotland	South of Scotland West Central Scotland East Central Scotland Tayside & Fife North East Scotland Highlands Orkney Isles Western Isles Shetland	Dumfries & Galloway	Scotland
		Scottish Borders	
		Scottish Borders	
		East Ayrshire	
		East Ayrshire	
		East Dunbartonshire	
		East Dunbartonshire	
		East Renfrewshire	
		East Renfrewshire	
		Argyll & Bute	
		Argyll & Bute	
		Glasgow	
Glasgow			
Inverclyde			
Inverclyde			
North Ayrshire			
North Ayrshire			
North Lanarkshire			
North Lanarkshire			
South Ayrshire			
South Ayrshire			
South Lanarkshire			
South Lanarkshire			
Stirling			
Stirling			
West Dunbartonshire			
West Dunbartonshire			
East Central Scotland			
East Central Scotland			
Clackmannanshire			
Clackmannanshire			
East Lothian			
East Lothian			
Edinburgh			
Edinburgh			
Mid Lothian			
Mid Lothian			
West Lothian			
West Lothian			
Falkirk			
Falkirk			
Tayside & Fife			
Tayside & Fife			
Angus			
Angus			
Dundee City			
Dundee City			
Fife			
Fife			
Perth & Kinross			
Perth & Kinross			
Aberdeen City			
Aberdeen City			
Aberdeenshire			
Aberdeenshire			
Moray			
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 , 2009**

**PA1007**

Thousand tonnes

Mineral	Constructional uses (b)	Cement	Agricultural uses	Industrial uses (a)	Total
Limestone	46,320	*	*	2,577	<b>56,139</b>
Dolomite	1,955	-	*	*	<b>3,163</b>
Chalk	530	*	*	*	<b>4,046</b>
<b>Total</b>	<b>48,805</b>	<b>8,208</b>	<b>1,927</b>	<b>4,408</b>	<b>63,348</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, 2009 (a)**

Thousand tonnes

Use	Limestone	Dolomite	Chalk	Total	Of which for conversion by calcination
Agricultural / horticultural	*	*	*	1,927	
Iron and steel	*	*	*	2,822	*
Glass making	*	*	*	200	
Asphalt filler	95	-	-	95	
Other specialised fillers	*	-	*	834	
Chemical use	*	-	*	102	*
Building materials	*	-	*	122	
Water & effluent treatment & pollution control	*	-	*	233	*
<b>Total</b>	<b>3,768</b>	<b>1,208</b>	<b>1,359</b>	<b>6,335</b>	<b>831</b>

(a) Includes material for calcination



TABLE 1 - INDUSTRIAL SAND

PA1007

Extractors' sales by end-use and area of origin, 2009

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 East	*	-	-	*	*
Yorkshire & the Humber	*	*	*	*	*
North West	297	*	305	*	1,050
West Midlands	*	*	*	*	*
East Midlands	*	-	*	*	*
East of England	*	*	*	163	*
South East	-	*	226	*	568
South West	-	-	*	*	34
<b>England</b>	*	*	<b>1,029</b>	<b>837</b>	<b>3,293</b>
<b>Wales</b>	-	-	*	*	<b>59</b>
<b>Scotland</b>	*	241	*	*	<b>403</b>
<b>Great Britain</b>	*	*	<b>1,096</b>	<b>988</b>	<b>3,755</b>

<b>England</b>		<b>Wales</b>		<b>Scotland</b>	
County	Total sales	County	Total sales	County	Total sales
Tyne & Wear	*	Clwyd	*	South of Scotland	*
Durham	*	Dyfed	*	West Central Scotland	*
North Yorkshire	*			East Central Scotland	*
Humberside	*			Tayside and Fife	*
Gtr Manchester	*			Highlands	*
Cheshire	*			Orkney	*
Staffordshire	*				
West Midlands (co)	*				
H'ford & W'cester	3				
Nottinghamshire	*				
Lincolnshire	*				
Norfolk	*				
Suffolk	6				
Essex	*				
Bedfordshire	405				
Oxfordshire	3				
Surrey	*				
Kent	117				
Hampshire	*				
Gloucestershire	*				
Wiltshire	5				
Dorset	*				
Devon	*				

TABLE 2 - SAND &amp; GRAVEL FOR CONSTRUCTION

PA1007

## Extractors' sales by end-use and area of origin, 2009

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	*	*	220	-	88	*	*	489	-
Tyne & Wear	-	-	*	†	*	†	-	†	*
Durham	*	*	*	-	-	-	-	*	-
Cleveland	-	-	†	*	†	-	†	*	†
<b>North East</b>	*	<b>184</b>	†	<b>574</b>	†	-	*	<b>1,110</b>	†
North Yorkshire	*	115	682	*	606	*	152	1,789	-
West Yorkshire	-	*	*	-	*	1	26	171	-
South Yorkshire	*	*	*	*	*	*	*	626	-
Humberside	*	137	*	-	55	†	132	649	†
<b>Yorkshire &amp; the Humber</b>	*	<b>570</b>	<b>1,157</b>	*	<b>832</b>	†	<b>355</b>	<b>3,235</b>	†
Lancashire	*	*	*	-	-	-	*	198	-
Cumbria	60	101	293	-	*	*	*	539	-
Greater Manchester	*	*	*	-	-	-	41	*	-
Cheshire	*	286	481	-	-	*	*	990	-
Merseyside	-	*	†	*	†	-	-	*	†
<b>North West</b>	*	<b>587</b>	†	<b>1,044</b>	†	-	<b>218</b>	<b>135</b>	†
Shropshire	*	85	240	*	*	*	35	657	-
Staffordshire	75	212	1,497	*	1,324	611	*	3,996	-
West Midlands	-	*	*	-	*	*	8	*	-
Warwickshire	*	127	*	*	249	*	68	751	-
Hereford & Worcester	*	*	*	-	*	*	*	*	-
<b>West Midlands</b>	<b>88</b>	<b>653</b>	<b>2,445</b>	*	<b>1,934</b>	<b>835</b>	*	<b>6,397</b>	-

Derbyshire	-	*	395	*	*	*	*	900	-								
Northamptonshire	*	7	*	*	*	*	*	*	-								
Leicestershire	*	*	*	-	*	*	*	*	-								
Nottinghamshire	*	235	581	*	*	*	68	1,532	-								
Lincolnshire	59	*	895	*	506	304	97	2,180	-								
<b>East Midlands</b>	*	<b>603</b>	<b>2,494</b>	*	<b>1,439</b>	<b>691</b>	<b>263</b>	<b>5,798</b>	-								
Cambridgeshire	76	*	833	*	615	98	534	2,273	-								
Norfolk	66	94	503	7	303	262	137	1,372	-								
Suffolk	73	119	†	430	†	252	†	262	†	*	1,267	†	*				
Essex	*	335	†	1,092	†	999	†	*	†	536	†	3,052	†	*			
Hertfordshire	-	*	*	*	-	*	*	*	*	*	*	*	*	-			
Bedfordshire	*	308	*	*	*	*	*	107	*	*	*	*	*	-			
<b>East of England</b>	*	<b>915</b>	†	<b>3,619</b>	†	<b>2,627</b>	†	<b>804</b>	†	<b>1,543</b>	†	<b>9,980</b>	†	<b>409</b>			
Buckinghamshire	-	53	133	-	169	-	39	394	-								
Oxfordshire	-	*	*	*	*	14	*	453	-								
Berkshire	-	*	176	-	316	*	218	871	-								
Surrey	*	128	336	-	284	*	*	899	-								
Kent	49	†	393	†	953	†	-	1,095	†	121	†	652	†	3,264	†	1,869	
East Sussex	*	†	-	*	†	-	*	†	*	†	*	†	*	†	*	†	*
West Sussex	-	†	*	†	198	†	-	*	†	*	†	*	†	553	†	*	
Hampshire	*	†	120	†	762	†	-	1,063	†	364	†	*	†	2,462	†	1,319	
Isle of Wight	*	13	*	*	*	-	*	*	*	4	*	*	*	*	*	-	
Greater London	*	†	*	†	1,798	†	*	1,829	†	*	†	*	†	3,866	†	3,419	
<b>South East</b>	*	†	<b>1,125</b>	†	<b>4,495</b>	†	*	<b>5,137</b>	†	<b>714</b>	†	<b>1,537</b>	†	<b>13,211</b>	†	<b>7,318</b>	
Gloucestershire	-	*	*	*	401	*	*	717	-								
Wiltshire	*	59	275	-	226	*	*	597	-								
Avon	-	*	†	*	†	-	*	†	-	†	*	†	*	†	*		
Somerset	-	-	60	†	-	56	†	-	*	†	*	†	*	†	*		
Dorset	*	292	634	†	-	89	†	*	30	†	1,125	†	*				
Devon	*	*	506	†	39	143	†	*	*	900	†	10					
Cornwall	-	*	526	-	-	-	-	*	*	*	*	-					
<b>South West</b>	<b>65</b>	<b>448</b>	†	<b>2,555</b>	†	<b>916</b>	†	<b>*</b>	†	<b>418</b>	†	<b>4,677</b>	†	<b>451</b>			
<b>England</b>	<b>1,020</b>	†	<b>5,085</b>	†	<b>18,382</b>	†	<b>542</b>	<b>13,111</b>	†	<b>3,908</b>	†	<b>4,481</b>	†	<b>46,529</b>	†	<b>8,719</b>	

Clwyd	*		*		*	-		*		*		*	492		-	
Gwynedd	-		27	†	51	†	-	38		-		*	115	†	32	
Dyfed	1		176	†	97	†	-	23	†	*	†	*	350	†	*	
West Glamorgan	*		*	†	*	†	-	*	†	*	†	*	*	†	*	
Mid Glamorgan	-		-		-		-	-		*		-	*		-	
South Glamorgan	-	†	*	†	*	†	-	53	†	-		-	*	†	*	
Gwent	137	†	*	†	86	†	-	*	†	-		*	356	†	356	
Powys	-		-		-		-	-		-		1	1		-	
<b>Wales</b>	<b>148</b>	<b>†</b>	<b>458</b>	<b>†</b>	<b>657</b>	<b>†</b>	<b>-</b>	<b>238</b>	<b>†</b>	<b>94</b>	<b>†</b>	<b>74</b>	<b>†</b>	<b>1,668</b>	<b>†</b>	<b>873</b>
South of Scotland	*		15		*		*	*		139		*	376		-	
West Central Scotland	*		405		1,078		-	156		455		*	2,657		-	
East Central Scotland	*		*		160		-	*		*		*	479		-	
Tayside and Fife	134		174		697	21		425		182		131	1,763		-	
North East Scotland	*		59		317	*		261		179		538	1,418		-	
Highlands	11		30		162	*		187		*		253	729		-	
Western Isles	-		3		3	-		2		-		8	15		-	
Orkney	-		*		*	-		-		-		-	*		-	
Shetland	-		-		-	-		-		-		*	*		-	
<b>Scotland</b>	<b>477</b>		<b>753</b>		<b>2,530</b>	<b>84</b>		<b>1,103</b>		<b>1,099</b>		<b>1,466</b>	<b>7,512</b>		<b>-</b>	
<b>Great Britain</b>	<b>1,645</b>	<b>†</b>	<b>6,296</b>	<b>†</b>	<b>21,570</b>	<b>†</b>	<b>625</b>	<b>14,452</b>	<b>†</b>	<b>5,101</b>	<b>†</b>	<b>6,021</b>	<b>†</b>	<b>55,709</b>	<b>†</b>	<b>9,592</b>
<b>Marine Dredged</b>	<b>*</b>	<b>†</b>	<b>523</b>	<b>†</b>	<b>4,203</b>	<b>†</b>	<b>-</b>	<b>4,262</b>	<b>†</b>	<b>*</b>	<b>†</b>	<b>337</b>	<b>†</b>	<b>9,592</b>	<b>†</b>	<b>-</b>

† Includes marine dredged material

See also note 6

Table 3 - SANDSTONE

PA1007

## Extractors' sales by end-use and area of origin, 2009

Thousand tonnes

Area of origin	Building stone	Roadstone				Concrete Aggregates	Other screened and graded	Rail Ballast	Other constructional uses	Armourstone & Gabion	Industrial Uses	Total
		For asphalt on site	For asphalt off site	Uncoated roadstone 1&2	Surface dressing chippings							
North East	*	-	-	*	-	-	-	48	-	-	85	
Yorkshire & the Humber	133	1	*	31	*	123	-	105	-	-	1,431	
North West	109	*	*	*	-	448	*	146	*	-	1,082	
West Midlands	5	*	*	*	*	*	-	128	-	*	*	
East Midlands	61	-	-	*	-	-	-	30	*	-	181	
East of England	*	-	-	-	-	-	-	*	-	-	72	
South East	1	-	-	-	-	-	-	*	-	-	*	
South West	14	*	*	*	-	*	18	138	*	-	407	
<b>England</b>	<b>368</b>	<b>370</b>	<b>*</b>	<b>226</b>	<b>*</b>	<b>837</b>	<b>220</b>	<b>675</b>	<b>55</b>	<b>*</b>	<b>3,980</b>	
<b>Wales</b>	<b>*</b>	<b>*</b>	<b>1,289</b>	<b>131</b>	<b>*</b>	<b>139</b>	<b>63</b>	<b>397</b>	<b>*</b>	<b>*</b>	<b>2,667</b>	
<b>Scotland</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>771</b>	<b>35</b>	<b>140</b>	<b>144</b>	<b>342</b>	<b>*</b>	<b>*</b>	<b>1,895</b>	
<b>Great Britain</b>	<b>722</b>	<b>935</b>	<b>2,337</b>	<b>1,128</b>	<b>354</b>	<b>1,116</b>	<b>427</b>	<b>1,415</b>	<b>68</b>	<b>41</b>	<b>8,542</b>	

England		Wales		Scotland	
County	Total sales	County	Total sales	County	Total sales
Northumberland	*	Dyfed	*	South of Scotland	1,194
Durham	*	West Glamorgan	645	West Central Scotland	*
North Yorkshire	904	Mid Glamorgan	496	East Central Scotland	27
West Yorkshire	525	Gwent	*	Tayside and Fife	1
South Yorkshire	2	Powys	*	North East Scotland	*
Lancashire	528	Clywd	*	Highlands	62
Cumbria	*			Orkney	*
Gtr Manchester	164			Shetland	*
Cheshire	*				
Shropshire	*				
Staffordshire	11				
Warwickshire	2				
Hereford & Worcester	*				
Derbyshire	*				
Northamptonshire	*				
Leicestershire	*				
Norfolk	72				
Oxfordshire	-				
West Sussex	*				
Gloucestershire	23				
Wiltshire	*				
Somerset	*				
Dorset	*				
Devon	*				
Cornwall	*				



Table 4 - IGNEOUS ROCK

PA1007

## Extractors' sales by end-use and area of origin, 2009

Thousand tonnes

Area of origin	Building stone	Roadstone		Uncoated roadstone 1&2	Surface dressing chippings	Concrete Aggregates	Other screened and graded	Rail Ballast	Other constructional use	Armourstone & Gabion	Industrial uses	Total
		For asphalt on site	For asphalt off site									
North East	*	*	*	*	*	108	*	*	*	*	*	1,115
North West	*	*	228	*	-	*	265	*	25	-	-	*
West Midlands	*	*	*	285	12	77	*	*	*	*	*	*
East Midlands	-	1,446	561	3,458	217	2,033	1,146	1,821	1,070	95	1	11,848
South West	2	*	*	*	*	*	218	*	378	9	-	2,439
<b>England</b>	*	<b>2,925</b>	<b>1,334</b>	<b>4,167</b>	<b>318</b>	<b>3,198</b>	<b>1,949</b>	*	<b>1,653</b>	*	*	<b>17,846</b>
<b>Wales</b>	<b>7</b>	<b>325</b>	*	<b>227</b>	*	<b>167</b>	<b>151</b>	*	<b>426</b>	*	-	<b>1,932</b>
<b>Scotland</b>	*	<b>1,636</b>	*	<b>5,627</b>	<b>272</b>	<b>2,376</b>	<b>4,292</b>	*	<b>3,435</b>	<b>207</b>	*	<b>19,082</b>
<b>Great Britain</b>	<b>408</b>	<b>4,887</b>	<b>2,305</b>	<b>10,021</b>	*	<b>5,741</b>	<b>6,391</b>	*	<b>5,514</b>	<b>393</b>	*	<b>38,860</b>

<b>England</b>		<b>Wales</b>		<b>Scotland</b>	
County	Total sales	County	Total sales	County	Total sales
Northumberland	*	Gwynedd	627	South of Scotland	424
Durham	*	Dyfed	*	West Central Scotland	6,775
Cumbria	*	Mid Glamorgan	*	East Central Scotland	2,354
Shropshire	1,160	Powys	830	Tayside and Fife	1,143
Warwickshire	*			North East Scotland	2,052
Leicestershire	11,848			Highlands	6,034
Somerset	*			Western Isles	*
Devon	164			Shetland	*
Cornwall	*				

**TABLE 5 - LIMESTONE (including Dolomite for constructional uses)**  
**Extractors' sales by end-use and area of origin, 2009**

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)	
North East	*	*	*	481	*	418	*	-	*	*	-	*	-	-	-	-	-	-	-	2,182
Yorkshire & the Humber	*	335	*	1,399	*	*	632	-	997	45	-	91	*	-	-	-	-	-	-	6,277
North West	*	*	293	*	-	1,116	431	-	960	37	*	49	*	-	-	-	-	*	-	5,440
West Midlands	2	*	*	*	-	*	*	-	198	-	1,111	*	-	-	-	-	-	*	-	*
East Midlands	*	705	331	*	-	2,298	2,480	-	1,204	*	*	299	359	*	*	*	*	*	*	14,955
East of England	-	-	-	-	-	-	-	-	*	-	-	*	-	-	-	-	-	-	-	*
South East	2	-	-	*	-	*	*	-	*	*	-	*	-	-	-	-	-	-	-	1,088
South West	*	1,022	*	3,560	-	5,031	928	*	3,194	34	-	364	*	-	*	-	-	*	*	16,831
<b>England</b>	*	<b>2,714</b>	*	<b>8,983</b>	*	<b>10,700</b>	<b>4,908</b>	*	<b>8,056</b>	<b>189</b>	*	<b>908</b>	<b>1,293</b>	*	*	*	*	*	<b>615</b>	<b>48,751</b>
<b>Wales</b>	*	*	*	<b>1,472</b>	<b>1</b>	<b>2,011</b>	<b>560</b>	*	<b>1,221</b>	<b>25</b>	*	*	*	-	-	-	-	*	-	<b>8,131</b>
<b>Scotland</b>	*	*	*	<b>117</b>	-	<b>26</b>	<b>71</b>	-	<b>28</b>	<b>7</b>	<b>705</b>	<b>163</b>	-	-	-	-	-	*	*	<b>1,210</b>
<b>Great Britain</b>	*	<b>3,317</b>	<b>2,928</b>	<b>10,572</b>	*	<b>12,737</b>	<b>5,538</b>	*	<b>9,305</b>	<b>221</b>	*	*	*	*	*	*	*	<b>95</b>	*	<b>58,092</b>

(a) For water & effluent treatment and pollution control

(b) Specialised fillers, e.g in animal feed, polymers, paint, paper and pharmaceuticals

(c) Building stone does not include dolomite

England		Wales		Scotland	
County	Total sales	County	Total sales	County	Total sales
Northumberland	*	Clwyd	2,958	West Central Scotland	*
Tyne & Wear	*	Gwynedd	*	East Central Scotland	*
Durham	1,751	Dyfed	1,297	Tayside and Fife	*
Cleveland	*	West Glamorgan	*	North East Scotland	151
North Yorkshire	4,811	Mid Glamorgan	2,808	Highlands	142
West Yorkshire	*	South Glamorgan	631		
South Yorkshire	*	Gwent	*		
Humberside	13	Powys	*		
Lancashire	2,758				
Cumbria	2,683				
Shropshire	*				
Staffordshire	*				
Hereford & Worcester	*				
Derbyshire	11,744				
Northamptonshire	*				
Leicestershire	*				
Nottinghamshire	*				
Lincolnshire	581				
Cambridgeshire	*				
Buckinghamshire	1				
Oxfordshire	*				
Kent	*				
Gloucestershire	1,334				
Wiltshire	21				
Avon	3,388				
Somerset	10,301				
Dorset	236				
Devon	*				
Cornwall	*				



TABLE 5A - DOLOMITE

PA1007

## Extractors' sales by end-use and area of origin, 2009

Thousand tonnes

Area of origin	Building stone	Other Constructional uses	Industrial and Agricultural uses		Total
			Industrial uses	Agricultural uses	
North East	*	1,344	*	*	2,012
Yorkshire & the Humber	*	*	*	*	352
East Midlands	-	*	*	*	*
<b>England</b>	*	*	*	<b>408</b>	*
<b>Wales</b>	-	*	-	-	*
<b>Scotland</b>	-	*	-	*	*
<b>Great Britain</b>	*	<b>1,954</b>	*	*	<b>3,164</b>

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Other constructional uses are included in Table 5

TABLE 6 - PEAT

PA1007

## Extractors' sales by end-use and area of origin, 2009

Thousand cubic metres

Area of Origin	Horticultural use	Other uses	Total
Yorkshire & the Humber	3	-	3
North West	409	-	409
West Midlands	-	-	-
East of England	8	-	8
South West	56	-	56
<b>England</b>	<b>476</b>	<b>-</b>	<b>476</b>
South of Scotland	*	-	*
West Central Scotland	*	4	*
East Central Scotland	*	-	*
North East Scotland	3	13	15
Highlands	-	2	2
Orkney	1	-	1
Shetland	-	2	3
<b>Scotland</b>	<b>390</b>	<b>21</b>	<b>412</b>
<b>Great Britain</b>	<b>866</b>	<b>22</b>	<b>887</b>

**TABLE 7 - CRUSHED ROCK**  
**Extractors' sales by end-use and area of origin, 2009**

**PA1007**  
 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	256	*	*	*	*	*	*	*	*	1,128
Tyne & Wear	-	-	70	-	-	43	-	32	-	146
Durham	319	*	*	150	*	*	-	*	*	1,862
Cleveland	-	-	-	58	-	-	-	-	-	58
<b>North East</b>	<b>575</b>	<b>*</b>	<b>582</b>	<b>*</b>	<b>527</b>	<b>398</b>	<b>*</b>	<b>624</b>	<b>*</b>	<b>3,194</b>
North Yorkshire	335	1,007	*	181	*	454	-	767	*	5,002
West Yorkshire	1	-	*	-	250	163	-	*	-	456
South Yorkshire	-	-	*	-	*	125	-	*	*	1,397
Humberside	-	-	-	-	-	13	-	-	-	13
<b>Yorkshire &amp; the Humber</b>	<b>336</b>	<b>1,007</b>	<b>1,430</b>	<b>181</b>	<b>2,012</b>	<b>755</b>	<b>-</b>	<b>1,102</b>	<b>45</b>	<b>6,868</b>
Lancashire	*	*	*	-	*	*	-	*	*	2,586
Cumbria	*	*	*	-	644	*	*	*	30	2,842
Greater Manchester	-	*	38	-	*	45	-	44	*	*
Cheshire	-	-	-	-	-	-	-	*	-	*
<b>North West</b>	<b>696</b>	<b>*</b>	<b>810</b>	<b>-</b>	<b>1,564</b>	<b>*</b>	<b>*</b>	<b>1,131</b>	<b>*</b>	<b>5,629</b>
Shropshire	*	*	330	*	177	*	*	*	*	1,812
Staffordshire	*	*	*	-	*	*	-	*	-	*
Warwickshire	*	*	*	-	*	*	-	39	-	*
Hereford & Worcester	*	-	*	-	*	*	-	136	-	*
<b>West Midlands</b>	<b>893</b>	<b>426</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>2,808</b>
Derbyshire	547	260	2,186	-	2,237	2,047	-	838	87	8,202
Northamptonshire	-	-	56	-	-	-	-	*	-	*
Nottinghamshire	-	-	-	-	-	-	-	-	-	-
Leicestershire	1,603	632	3,810	217	2,094	*	1,821	*	95	12,877
Lincolnshire	-	-	-	-	-	*	-	216	-	*
<b>East Midlands</b>	<b>2,150</b>	<b>892</b>	<b>6,052</b>	<b>217</b>	<b>4,331</b>	<b>3,626</b>	<b>1,821</b>	<b>2,304</b>	<b>182</b>	<b>21,575</b>
Cambridgeshire	-	-	-	-	-	-	-	*	-	*
Norfolk	-	-	-	-	-	-	-	*	-	*
<b>East of England</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>*</b>
Oxfordshire	-	-	-	-	*	-	-	487	-	*
Kent	-	-	*	-	*	*	-	*	*	*
West Sussex	-	-	-	-	-	-	-	25	-	25
<b>South East</b>	<b>-</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>*</b>	<b>*</b>	<b>1,085</b>

Gloucestershire	*	*	187	-	*	107	-	252	3	*
Wiltshire	-	-	-	-	-	-	-	*	-	*
Avon	*	*	599	-	815	*	-	*	3	2,518
Somerset	528	1,418	2,575	-	3,296	*	*	2,347	22	10,707
Dorset	161	*	*	-	-	*	-	*	*	*
Devon	222	*	389	*	*	*	*	272	*	1,711
Cornwall	150	227	*	*	979	142	*	*	9	1,874
<b>South West</b>	<b>1,359</b>	<b>1,906</b>	<b>3,903</b>	<b>*</b>	<b>6,022</b>	<b>1,163</b>	<b>*</b>	<b>3,710</b>	<b>*</b>	<b>18,218</b>
<b>England</b>	<b>6,009</b>	<b>5,078</b>	<b>13,376</b>	<b>752</b>	<b>14,735</b>	<b>7,077</b>	<b>*</b>	<b>10,384</b>	<b>*</b>	<b>59,666</b>
Clwyd	226	38	790	1	631	133	-	421	-	2,240
Gwynedd	89	*	90	14	73	39	*	79	*	628
Dyfed	*	*	230	*	401	349	-	481	12	1,650
West Glamorgan	*	279	*	-	*	*	-	*	-	725
Mid Glamorgan	184	*	*	-	738	97	*	*	*	2,519
South Glamorgan	*	-	*	-	*	*	-	*	-	*
Gwent	*	*	*	*	*	*	-	*	*	*
Powys	*	800	*	167	177	75	-	467	*	2,271
<b>Wales</b>	<b>1,316</b>	<b>1,951</b>	<b>1,830</b>	<b>192</b>	<b>2,317</b>	<b>773</b>	<b>*</b>	<b>2,044</b>	<b>*</b>	<b>10,542</b>
South of Scotland	*	*	661	30	*	205	-	272	*	1,353
West Central Scotland	701	181	2,047	44	1,011	909	120	2,059	35	7,108
East Central Scotland	*	*	1,043	*	413	*	-	206	*	2,326
Tayside and Fife	*	*	428	*	*	*	*	96	14	1,256
North East Scotland	372	-	641	*	309	376	*	226	143	2,169
Highlands	56	*	1,567	25	570	2,611	516	799	*	6,189
Western Isles	*	-	*	4	17	9	-	*	2	*
Orkney	*	-	*	*	*	*	-	*	-	*
Shetland	25	3	55	3	16	42	-	20	4	168
<b>Scotland</b>	<b>1,814</b>	<b>541</b>	<b>6,516</b>	<b>308</b>	<b>2,541</b>	<b>4,506</b>	<b>*</b>	<b>3,805</b>	<b>*</b>	<b>20,895</b>
<b>Great Britain</b>	<b>9,139</b>	<b>7,570</b>	<b>21,722</b>	<b>1,252</b>	<b>19,593</b>	<b>12,356</b>	<b>2,556</b>	<b>16,234</b>	<b>681</b>	<b>91,103</b>

**TABLE 8 - CLAY & SHALE**  
**Extractors' sales by end-use and area of origin, 2009**

PA1007

Thousand tonnes

Area of Origin	Bricks, pipes & tiles	Cement	Constructional uses	Other uses	Total
Northumberland	*	-	-	-	*
Tyne & Wear	55	-	-	-	55
Durham	*	-	-	-	*
<b>North East</b>	<b>*</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>*</b>
North Yorkshire	*	-	*	100	*
West Yorkshire	174	-	-	-	174
South Yorkshire	*	-	*	-	93
Humberside	*	*	-	1	*
<b>Yorkshire &amp; the Humber</b>	<b>285</b>	<b>*</b>	<b>*</b>	<b>101</b>	<b>544</b>
Lancashire	*	-	*	-	187
Cumbria	24	-	*	-	*
Greater Manchester	*	-	-	*	*
Cheshire	*	-	*	*	*
<b>North West</b>	<b>155</b>	<b>-</b>	<b>181</b>	<b>1</b>	<b>336</b>
Shropshire	*	-	-	-	*
Staffordshire	*	*	-	-	784
West Midlands	101	-	-	-	101
Warwickshire	52	*	-	-	*
<b>West Midlands</b>	<b>773</b>	<b>832</b>	<b>-</b>	<b>-</b>	<b>1,606</b>
Derbyshire	*	*	-	-	305
Leicestershire	*	*	-	-	481
Nottinghamshire	*	-	*	-	*
Lincolnshire	-	-	*	-	*
<b>East Midlands</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>-</b>	<b>970</b>
Cambridgeshire	*	-	-	-	*
Suffolk	-	-	-	-	-
Essex	*	-	*	-	4
Hertfordshire	14	-	-	-	14
<b>East of England</b>	<b>*</b>	<b>-</b>	<b>*</b>	<b>-</b>	<b>*</b>
Buckinghamshire	*	-	-	-	*
Surrey	*	-	-	-	*
Kent	-	-	32	1	33
East Sussex	*	-	-	-	*
West Sussex	259	-	-	-	259
Hampshire	-	-	*	-	*
Greater London	-	-	*	-	*
<b>South East</b>	<b>*</b>	<b>-</b>	<b>*</b>	<b>1</b>	<b>446</b>
Gloucestershire	*	-	*	11	57
Wiltshire	-	25	-	4	29
Avon	*	-	-	-	*
Devon	-	-	-	-	-
Dorset	*	-	-	-	*
Cornwall	-	-	-	-	-
<b>South West</b>	<b>100</b>	<b>25</b>	<b>*</b>	<b>16</b>	<b>*</b>
<b>England</b>	<b>2,785</b>	<b>1,397</b>	<b>365</b>	<b>118</b>	<b>4,666</b>
Clwyd	-	-	2	-	2
Gwynedd	-	-	1	-	1
Dyfed	-	-	*	-	*
Powys	1	-	*	-	*
<b>Wales</b>	<b>1</b>	<b>-</b>	<b>149</b>	<b>-</b>	<b>151</b>
South of Scotland	-	-	*	-	*
West Central Scotland	10	-	*	-	*
East Central Scotland	-	-	*	-	*
Tayside and Fife	-	-	*	-	*
<b>Scotland</b>	<b>10</b>	<b>-</b>	<b>483</b>	<b>-</b>	<b>494</b>
<b>Great Britain</b>	<b>2,797</b>	<b>1,397</b>	<b>998</b>	<b>118</b>	<b>5,310</b>

TABLE 9 - CHALK

PA1007

Extractors' sales by end-use and area of origin, 2009

Thousand tonnes

Area of origin	Cement	Other Constructional	Agricultural uses	Industrial uses	Total
North Yorkshire	-	6	-	-	6
Humberside	*	*	58	*	1,703
<b>Yorkshire &amp; the Humber</b>	*	*	<b>58</b>	*	<b>1,709</b>
Lincolnshire	-	*	*	-	*
<b>East Midlands</b>	-	*	*	-	*
Cambridgeshire	*	-	*	*	*
Norfolk	-	-	*	-	*
Suffolk	-	-	*	*	*
Essex	-	-	*	-	*
Hertfordshire	-	-	43	-	43
Bedfordshire	*	-	-	-	*
<b>East of England</b>	*	-	<b>135</b>	*	*
Surrey	-	-	*	-	*
Kent	-	349	47	-	397
West Sussex	-	-	35	-	35
Hampshire	-	*	*	-	*
Isle of Wight	-	*	5	-	*
<b>South East</b>	-	*	*	-	<b>471</b>
Wiltshire	69	-	-	-	69
Devon	-	-	*	-	*
<b>South West</b>	<b>69</b>	-	*	-	*
<b>England</b>	*	<b>530</b>	*	*	<b>4,047</b>

NB Only those parts of GB producing chalk are identified

See also note 8

TABLE 10 - FIRECLAY

PA1007

Extractors' totals sales by area of origin, 2009

Thousand tonnes

Area of origin	Total
Northumberland	*
Tyne & Wear	*
<b>North East</b>	*
West Yorkshire	8
<b>Yorkshire &amp; the Humber</b>	<b>8</b>
Shropshire	41
<b>West Midlands</b>	<b>41</b>
Leicestershire	*
<b>East Midlands</b>	*
<b>England</b>	<b>128</b>
West Central Scotland	1
<b>Scotland</b>	<b>1</b>
<b>Great Britain</b>	<b>129</b>

**TABLE 11 - ORE MINERALS**  
**Extractors' sales by end-use and area of origin, 2009**

**PA1007**  
 Thousand tonnes

Mineral	Area of origin	Estimated recoverable mineral & metal content
<b>Iron</b> (Crude ore sold -th. tonnes)	Cumbria, Gloucestershire	-
<b>Other Ore Minerals</b> ( Total crude ore sold *th Tonnes)	Derbyshire, Cornwall, Tayside & Fife	187
<b>Barium sulphate</b>	Derbyshire, Tayside and Fife	*
<b>Calcium fluoride</b>	Derbyshire	49
<b>Lead</b>	Derbyshire	-



**TABLE 12 - OTHER MINERALS**  
**Extractors' sales by end-use and area of origin, 2009**

**PA1007**  
 Thousand tonnes

Mineral	Area of origin	Sales	
Ball clay	Dorset, Devon	*	
Chert and Flint	Norfolk, Kent, Hampshire	1	
China clay	Devon, Cornwall	988	
China stone	Cornwall	-	
Gypsum	Cumbria, Staffordshire, Leicestershire Nottinghamshire, East Sussex	*	
Potash (refined)	Cleveland	*	
Rock salt	Cleveland, Cheshire	5,858	
Salt from brine			
Salt in brine			
Silica stone	Durham	*	
Slate (includes some "roofing stone")	Northumberland, Durham, Cumbria, Oxfordshire, Gloucestershire, Avon, Devon, Cornwall, Clwyd, Gwynedd, Dyfed, West Central Scotland, Tayside & Fife, North East Scotland, Highlands	683	(a)
Soapstone & talc	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 - not broken down by counties/regions due to confidentiality issues. Roofing (including roofing slates used vertically) 22 ; Cladding and other decorative uses 20 ; Powder and granules 14 ; Crude Blocks 29 ; Fill and other uses 597.



TABLE 14 - ALL MINERALS  
Direct Employment by mineral and area, 2009

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Cleveland	-	3	-	-	-	8	-	-	-	-	758	769
Durham	1	1	7	8	48	195	-	1	-	-	2	263
Northumberland	-	21	26	52	3	-	-	2	-	-	-	104
Tyne & Wear	-	5	-	-	-	21	-	1	-	-	-	27
<b>North East</b>	<b>1</b>	<b>30</b>	<b>33</b>	<b>60</b>	<b>51</b>	<b>224</b>	-	<b>4</b>	-	-	<b>760</b>	<b>1,163</b>
Humberside	2	44	-	-	2	-	60	15	-	-	-	123
North Yorkshire	-	61	53	-	143	4	10	14	-	-	-	285
South Yorkshire	-	23	4	-	29	10	-	7	-	1	-	74
West Yorkshire	-	16	332	-	-	1	-	9	2	-	-	360
<b>Yorkshire &amp; the Humber</b>	<b>2</b>	<b>144</b>	<b>389</b>	-	<b>174</b>	<b>15</b>	<b>70</b>	<b>45</b>	<b>2</b>	<b>1</b>	-	<b>842</b>
Cumbria	-	39	27	32	140	-	-	1	-	3	168	410
Cheshire	28	26	19	-	-	-	-	5	-	1	4	83
Greater Manchester	-	49	17	-	-	-	-	2	-	1	-	69
Lancashire	-	13	55	-	96	-	-	11	-	35	-	210
Merseyside	-	1	-	-	-	-	-	-	-	-	-	1
<b>North West</b>	<b>28</b>	<b>128</b>	<b>118</b>	<b>32</b>	<b>236</b>	-	-	<b>19</b>	-	<b>40</b>	<b>172</b>	<b>773</b>
Hereford & Worcester	7	36	19	-	6	-	-	-	-	-	-	68
Shropshire	-	99	36	34	2	-	-	1	1	2	-	175
Staffordshire	1	110	6	-	39	-	-	15	-	-	40	211
Warwickshire	-	22	-	36	-	-	-	4	-	-	-	62
West Midlands	-	19	-	-	-	-	-	4	-	-	-	23
<b>West Midlands</b>	<b>8</b>	<b>286</b>	<b>61</b>	<b>70</b>	<b>47</b>	-	-	<b>24</b>	<b>1</b>	<b>2</b>	<b>40</b>	<b>539</b>
Derbyshire	-	36	129	-	518	61	-	4	-	-	16	764
Leicestershire	-	53	-	233	50	-	-	6	3	-	50	395
Lincolnshire	1	76	-	-	53	-	1	-	-	-	-	131
Northamptonshire	-	8	1	-	7	-	-	-	-	-	-	16
Nottinghamshire	-	173	-	-	2	-	-	5	-	-	23	203
<b>East Midlands</b>	<b>1</b>	<b>346</b>	<b>130</b>	<b>233</b>	<b>630</b>	<b>61</b>	<b>1</b>	<b>15</b>	<b>3</b>	-	<b>89</b>	<b>1,509</b>
Essex	1	127	-	-	-	-	2	9	-	-	-	139
Bedfordshire	15	65	-	-	-	-	13	-	-	-	-	93
Hertfordshire	-	75	-	-	-	-	21	1	-	-	-	97
Cambridgeshire	-	26	-	-	8	-	8	12	-	-	-	54
Norfolk	-	117	8	-	-	-	7	-	-	1	-	133
Suffolk	-	63	-	-	-	-	9	9	-	1	-	82
<b>East of England</b>	<b>16</b>	<b>473</b>	<b>8</b>	-	<b>8</b>	-	<b>60</b>	<b>31</b>	-	<b>2</b>	-	<b>598</b>
Berkshire	-	42	-	-	-	-	-	-	-	-	-	42
Buckinghamshire	-	27	-	-	3	-	-	29	-	-	-	59
East Sussex	-	2	-	-	-	-	-	27	-	-	25	54
Greater London	-	33	-	-	-	-	-	4	-	-	-	37
Hampshire	-	53	-	-	-	-	4	1	-	-	-	58
Isle of Wight	-	44	-	-	-	-	8	-	-	-	-	52
Kent	-	71	-	-	29	-	66	20	-	-	1	187
Oxfordshire	-	27	-	-	39	-	-	-	-	-	-	66
Surrey	4	78	-	-	-	-	-	-	-	-	-	82
West Sussex	-	15	22	-	-	-	3	76	-	-	-	116
<b>South East</b>	<b>4</b>	<b>392</b>	<b>22</b>	-	<b>71</b>	-	<b>81</b>	<b>157</b>	-	-	<b>26</b>	<b>753</b>
Avon	-	2	-	-	115	-	-	4	-	-	-	121
Cornwall	1	15	18	86	9	-	-	-	-	-	330	459
Devon	-	30	25	10	175	-	1	1	-	-	37	279
Dorset	-	65	1	-	90	-	-	2	-	-	9	167
Gloucestershire	-	31	14	-	200	-	-	8	-	-	26	279
Somerset	-	7	4	22	153	-	-	-	-	40	-	226
Wiltshire	-	33	-	-	7	-	1	3	-	-	-	44
<b>South West</b>	<b>1</b>	<b>183</b>	<b>62</b>	<b>118</b>	<b>749</b>	-	<b>2</b>	<b>18</b>	-	<b>40</b>	<b>402</b>	<b>1,575</b>
<b>England</b>	<b>61</b>	<b>1,982</b>	<b>823</b>	<b>513</b>	<b>1,966</b>	<b>300</b>	<b>214</b>	<b>313</b>	<b>6</b>	<b>85</b>	<b>1,489</b>	<b>7,752</b>
Clwyd	1	38	-	-	107	-	-	1	-	-	6	153
Dyfed	-	34	7	78	70	-	-	-	-	-	2	191
Gwent	-	3	5	-	14	-	-	-	-	-	-	22
Gwynedd	-	14	-	45	16	-	-	1	-	-	256	332
Mid Glamorgan	-	-	26	1	137	-	-	-	-	-	-	164
Powys	-	1	78	33	1	-	-	5	-	-	-	118
South Glamorgan	-	2	-	-	22	1	-	-	-	-	-	25
West Glamorgan	-	31	43	-	8	-	-	-	-	-	-	82
<b>Wales</b>	<b>1</b>	<b>123</b>	<b>159</b>	<b>157</b>	<b>375</b>	<b>1</b>	-	<b>7</b>	-	-	<b>264</b>	<b>1,087</b>
East Central Scotland	-	13	-	21	31	-	-	-	-	21	-	86
Highlands	1	66	8	176	13	-	-	-	-	2	3	269
North East Scotland	-	93	10	54	8	-	-	-	-	4	2	171
Orkney Isles	1	2	12	-	-	-	-	-	-	4	-	19
Shetland Isles	-	2	4	17	-	-	-	-	-	2	1	26
South Of Scotland	-	45	75	24	-	-	-	10	-	13	-	167
Tayside & Fife	19	80	2	81	5	-	-	-	-	-	16	203
West Central Scotland	-	89	9	366	21	-	-	2	-	16	2	505
Western Isles	-	8	-	38	-	-	-	-	-	-	-	46
<b>Scotland</b>	<b>21</b>	<b>398</b>	<b>120</b>	<b>777</b>	<b>78</b>	-	-	<b>12</b>	-	<b>62</b>	<b>24</b>	<b>1,492</b>
<b>Great Britain</b>	<b>83</b>	<b>2,503</b>	<b>1,102</b>	<b>1,447</b>	<b>2,419</b>	<b>301</b>	<b>214</b>	<b>332</b>	<b>6</b>	<b>147</b>	<b>1,777</b>	<b>10,331</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, 2009

Area	Mineral										Total number	
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat		Ore & other minerals
Cleveland	-	3	-	-	-	-	-	-	-	-	130	133
Durham	-	-	-	-	5	10	-	-	-	-	-	15
Northumberland	-	14	12	15	1	-	-	-	-	-	-	42
Tyne & Wear	-	3	-	-	-	3	-	2	-	-	-	8
<b>North East</b>	-	<b>20</b>	<b>12</b>	<b>15</b>	<b>6</b>	<b>13</b>	-	<b>2</b>	-	-	<b>130</b>	<b>198</b>
Humberside	1	1	-	-	-	-	15	-	-	-	-	17
North Yorkshire	-	9	8	-	25	2	-	2	-	-	-	46
South Yorkshire	-	4	-	-	9	1	-	1	-	-	-	15
West Yorkshire	-	-	52	-	-	-	-	2	-	-	-	54
<b>Yorkshire &amp; the Humber</b>	<b>1</b>	<b>14</b>	<b>60</b>	-	<b>34</b>	<b>3</b>	<b>15</b>	<b>5</b>	-	-	-	<b>132</b>
Cumbria	-	14	4	6	58	-	-	-	-	4	-	86
Cheshire	-	18	4	-	-	-	-	-	-	-	-	22
Greater Manchester	-	20	3	-	-	-	-	-	-	2	-	25
Lancashire	-	3	13	-	17	-	-	6	-	-	-	39
Merseyside	-	-	-	-	-	-	-	-	-	-	-	-
<b>North West</b>	-	<b>55</b>	<b>24</b>	<b>6</b>	<b>75</b>	-	-	<b>6</b>	-	<b>6</b>	-	<b>172</b>
Hereford & Worcester	-	3	7	-	-	-	-	-	-	-	-	10
Shropshire	-	3	-	27	59	-	-	1	-	-	-	90
Staffordshire	-	301	-	-	10	-	-	13	-	-	-	324
Warwickshire	-	5	-	18	-	-	-	15	-	-	-	38
West Midlands	-	2	-	-	-	-	-	7	-	-	-	9
<b>West Midlands</b>	-	<b>314</b>	<b>7</b>	<b>45</b>	<b>69</b>	-	-	<b>36</b>	-	-	-	<b>471</b>
Derbyshire	-	7	26	-	82	-	-	11	-	-	29	155
Leicestershire	-	5	-	35	61	-	-	-	-	-	-	101
Lincolnshire	3	10	-	-	13	-	-	-	-	-	-	26
Northamptonshire	-	-	-	-	-	-	-	-	-	-	-	-
Nottinghamshire	-	27	-	-	2	-	-	-	-	-	30	59
<b>East Midlands</b>	<b>3</b>	<b>49</b>	<b>26</b>	<b>35</b>	<b>158</b>	-	-	<b>11</b>	-	-	<b>59</b>	<b>341</b>
Essex	-	45	-	-	-	-	-	-	-	-	-	45
Bedfordshire	-	10	-	-	-	-	12	-	-	-	-	22
Hertfordshire	-	1	-	-	-	-	-	-	-	-	-	1
Cambridgeshire	-	3	-	-	8	-	1	22	-	-	-	34
Norfolk	-	28	-	-	-	-	-	9	-	-	-	28
Suffolk	-	18	-	-	-	-	-	-	-	1	-	28
<b>East of England</b>	-	<b>105</b>	-	-	<b>8</b>	-	<b>13</b>	<b>31</b>	-	<b>1</b>	-	<b>158</b>
Berkshire	-	14	-	-	-	-	-	-	-	-	-	14
Buckinghamshire	-	2	-	-	-	-	-	-	-	-	-	2
East Sussex	-	-	-	-	-	-	-	-	-	-	-	-
Greater London	-	7	-	-	-	-	-	-	-	-	-	7
Hampshire	-	5	-	-	-	-	-	-	-	-	-	5
Isle of Wight	-	2	-	-	-	-	-	-	-	-	-	2
Kent	-	21	-	-	1	-	-	-	-	-	-	22
Oxfordshire	-	-	-	-	6	-	-	-	-	-	-	6
Surrey	-	7	-	-	-	-	-	-	-	-	-	7
West Sussex	-	2	2	-	-	-	2	17	-	-	-	23
<b>South East</b>	-	<b>60</b>	<b>2</b>	-	<b>7</b>	-	<b>2</b>	<b>17</b>	-	-	-	<b>88</b>
Avon	-	-	-	-	4	-	-	-	-	-	-	4
Cornwall	-	2	2	20	-	-	-	-	-	-	7	31
Devon	-	9	5	3	8	-	2	-	-	-	5	32
Dorset	-	10	-	-	4	-	-	2	-	-	4	20
Gloucestershire	-	-	1	-	8	-	-	1	-	-	-	10
Somerset	-	1	-	13	35	-	-	-	-	-	-	49
Wiltshire	-	12	-	-	4	-	-	-	-	-	-	16
<b>South West</b>	-	<b>34</b>	<b>8</b>	<b>36</b>	<b>63</b>	-	<b>2</b>	<b>3</b>	-	-	<b>16</b>	<b>162</b>
<b>England</b>	<b>4</b>	<b>651</b>	<b>139</b>	<b>137</b>	<b>420</b>	<b>16</b>	<b>32</b>	<b>111</b>	-	<b>7</b>	<b>205</b>	<b>1,722</b>
Clwyd	-	7	-	-	12	-	-	-	-	-	-	19
Dyfed	-	2	-	32	19	-	-	-	-	-	-	53
Gwent	-	-	-	-	2	-	-	-	-	-	-	2
Gwynedd	-	-	-	21	-	-	-	-	-	-	-	21
Mid Glamorgan	-	-	10	4	36	-	-	-	-	-	-	50
Powys	-	-	11	11	-	-	-	-	-	-	-	22
South Glamorgan	-	-	-	-	3	-	-	-	-	-	-	3
West Glamorgan	-	8	13	-	1	-	-	-	-	-	-	22
<b>Wales</b>	-	<b>17</b>	<b>34</b>	<b>68</b>	<b>73</b>	-	-	-	-	-	-	<b>192</b>
East Central Scotland	-	3	-	10	3	-	-	-	-	-	-	16
Highlands	-	21	7	85	3	-	-	-	-	-	4	120
North East Scotland	-	11	18	16	4	-	-	-	-	-	4	53
Orkney Isles	3	-	10	-	-	-	-	-	-	-	-	13
Shetland Isles	-	-	1	1	-	-	-	-	-	-	-	2
South Of Scotland	-	4	18	11	-	-	-	2	-	5	-	40
Tayside & Fife	2	13	-	8	-	-	-	-	-	-	1	24
West Central Scotland	-	14	7	63	1	-	-	-	-	14	-	99
Western Isles	-	3	-	13	-	-	-	-	-	-	-	16
<b>Scotland</b>	<b>5</b>	<b>69</b>	<b>61</b>	<b>207</b>	<b>11</b>	-	-	<b>2</b>	-	<b>19</b>	<b>9</b>	<b>383</b>
	<b>9</b>	<b>737</b>	<b>234</b>	<b>412</b>	<b>504</b>	<b>16</b>	<b>32</b>	<b>113</b>	-	<b>26</b>	<b>214</b>	<b>2,297</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, 2009

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Cleveland	-	4	-	-	-	-	-	-	-	-	-	4
Durham	-	45	-	2	114	234	-	-	-	-	-	395
Northumberland	-	96	11	151	23	-	-	-	-	-	-	281
Tyne & Wear	-	9	-	-	-	25	-	2	-	-	-	36
<b>North East</b>	-	<b>154</b>	<b>11</b>	<b>153</b>	<b>137</b>	<b>259</b>	-	<b>2</b>	-	-	-	<b>716</b>
Humberside	2	46	-	-	11	-	40	-	-	-	-	99
North Yorkshire	-	147	76	-	350	1	4	12	-	-	-	590
South Yorkshire	-	42	-	-	114	3	-	115	-	-	-	274
West Yorkshire	-	1	110	-	-	-	-	4	-	-	-	115
<b>Yorkshire &amp; the Humber</b>	<b>2</b>	<b>236</b>	<b>186</b>	-	<b>475</b>	<b>4</b>	<b>44</b>	<b>131</b>	-	-	-	<b>1,078</b>
Cumbria	-	296	33	68	285	-	-	-	-	2	4	688
Cheshire	104	146	23	-	-	-	-	1	-	-	-	274
Greater Manchester	-	157	34	-	-	-	-	6	-	-	-	197
Lancashire	-	70	61	-	349	-	-	17	-	-	-	497
Merseyside	-	-	-	-	-	-	-	-	-	-	-	-
<b>North West</b>	<b>104</b>	<b>669</b>	<b>151</b>	<b>68</b>	<b>634</b>	-	-	<b>24</b>	-	<b>2</b>	<b>4</b>	<b>1,656</b>
Hereford & Worcester	-	142	13	-	10	-	-	-	-	-	-	165
Shropshire	-	52	152	15	38	-	-	4	7	-	-	268
Staffordshire	-	236	-	-	97	-	-	25	-	-	-	358
Warwickshire	-	20	-	102	-	-	-	19	-	-	-	141
West Midlands	-	74	-	-	-	-	-	2	-	-	-	76
<b>West Midlands</b>	-	<b>524</b>	<b>165</b>	<b>117</b>	<b>145</b>	-	-	<b>50</b>	<b>7</b>	-	-	<b>1,008</b>
Derbyshire	-	82	29	-	788	6	-	5	-	-	48	958
Leicestershire	-	50	-	100	68	-	-	20	20	-	-	258
Lincolnshire	20	104	-	-	31	-	-	-	-	-	-	155
Northamptonshire	-	15	-	-	10	-	-	-	-	-	-	25
Nottinghamshire	-	258	-	-	2	-	-	20	-	-	4	284
<b>East Midlands</b>	<b>20</b>	<b>509</b>	<b>29</b>	<b>100</b>	<b>899</b>	<b>6</b>	-	<b>45</b>	<b>20</b>	-	<b>52</b>	<b>1,680</b>
Essex	-	275	-	-	-	-	-	-	-	-	-	275
Bedfordshire	19	215	-	-	-	-	-	-	-	-	-	234
Hertfordshire	-	25	-	-	-	-	23	-	-	-	-	48
Cambridgeshire	-	54	-	-	21	-	6	4	-	-	-	85
Norfolk	-	120	7	-	-	-	-	-	-	2	-	129
Suffolk	-	192	-	-	-	-	-	-	-	3	-	195
<b>East of England</b>	<b>19</b>	<b>881</b>	<b>7</b>	-	<b>21</b>	-	<b>29</b>	<b>4</b>	-	<b>5</b>	-	<b>966</b>
Berkshire	-	230	-	-	-	-	-	-	-	-	-	230
Buckinghamshire	-	38	-	-	-	-	-	-	-	-	-	38
East Sussex	-	-	-	-	-	-	-	-	-	-	-	-
Greater London	-	30	-	-	-	-	-	100	-	-	-	130
Hampshire	-	223	-	-	-	-	8	-	-	-	-	231
Isle of Wight	-	12	-	-	-	-	4	-	-	-	-	16
Kent	-	143	-	-	135	-	41	100	-	-	-	419
Oxfordshire	-	192	-	-	72	-	-	-	-	-	-	264
Surrey	5	151	-	-	-	-	-	-	-	-	-	156
West Sussex	-	58	4	-	-	-	2	-	-	-	-	64
<b>South East</b>	<b>5</b>	<b>1,077</b>	<b>4</b>	-	<b>207</b>	-	<b>55</b>	<b>200</b>	-	-	-	<b>1,548</b>
Avon	-	-	-	-	267	-	-	4	-	-	-	271
Cornwall	-	30	26	94	-	-	-	-	-	-	61	211
Devon	-	23	40	19	161	-	-	-	-	-	5	248
Dorset	-	235	-	-	28	-	-	1	-	-	-	264
Gloucestershire	-	270	4	-	92	-	-	74	-	-	2	442
Somerset	-	20	-	247	264	-	-	-	-	1	-	532
Wiltshire	-	210	-	-	5	-	-	-	-	-	-	215
<b>South West</b>	-	<b>788</b>	<b>70</b>	<b>360</b>	<b>817</b>	-	-	<b>79</b>	-	<b>1</b>	<b>68</b>	<b>2,183</b>
<b>England</b>	<b>150</b>	<b>4,838</b>	<b>623</b>	<b>798</b>	<b>3,335</b>	<b>269</b>	<b>128</b>	<b>535</b>	<b>27</b>	<b>8</b>	<b>124</b>	<b>10,835</b>
Clwyd	-	123	-	-	227	-	-	-	-	-	6	356
Dyfed	-	13	7	49	102	-	-	-	-	-	2	173
Gwent	-	-	-	-	11	-	-	-	-	-	-	11
Gwynedd	-	6	-	85	10	-	-	-	-	-	11	112
Mid Glamorgan	-	-	45	4	185	-	-	-	-	-	-	234
Powys	-	-	282	32	-	-	-	1	-	-	-	315
South Glamorgan	-	-	-	-	3	-	-	-	-	-	-	3
West Glamorgan	-	31	22	-	4	-	-	-	-	-	-	57
<b>Wales</b>	-	<b>173</b>	<b>356</b>	<b>170</b>	<b>542</b>	-	-	<b>1</b>	-	-	<b>19</b>	<b>1,261</b>
East Central Scotland	-	17	-	80	4	-	-	-	-	22	-	123
Highlands	-	56	19	27	3	-	-	-	-	-	2	107
North East Scotland	-	165	18	61	20	-	-	-	-	-	4	268
Orkney Isles	20	-	20	-	-	-	-	-	-	-	-	40
Shetland Isles	-	-	6	50	-	-	-	-	-	-	-	56
South Of Scotland	-	89	83	94	-	-	-	403	-	30	-	699
Tayside & Fife	3	74	-	51	2	-	-	-	-	-	7	137
West Central Scotland	-	231	25	461	8	-	-	-	-	16	-	741
Western Isles	-	5	-	16	-	-	-	-	-	-	-	21
<b>Scotland</b>	<b>23</b>	<b>637</b>	<b>171</b>	<b>840</b>	<b>37</b>	-	-	<b>403</b>	-	<b>68</b>	<b>13</b>	<b>2,192</b>
<b>Great Britain</b>	<b>173</b>	<b>5,648</b>	<b>1,150</b>	<b>1,808</b>	<b>3,914</b>	<b>269</b>	<b>128</b>	<b>939</b>	<b>27</b>	<b>76</b>	<b>156</b>	<b>14,288</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