

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.

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Contact points
For enquiries about this publication, contact Kim Craig
Tel: 01633 456044
e-mail: kim.craig@ons.gov.uk

For general enquiries, contact the National Statistics Customer Enquiry Centre on 0845 601 3034
(minicom: 01633 812399)
e-mail: info@statistics.gov.uk
fax: 01633 652747
letters: Room D115
Government Buildings,
Cardiff Road, Newport. NP10 8XG

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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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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 99 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 1 September 2010 (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 2010. Information for previous years used Economic Planning Regions (EPR) and the table below shows how these two definitions are related to enable information for 2010 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	COUNTY	COUNTY/UNITARY	REGION (GoR)
North	Northumberland	Northumberland	North East
		Durham	
	Tyne & Wear	Darlington	
		Newcastle Upon Tyne	
		Gateshead	
		Sunderland	
		North Tyneside	
	Cleveland	South Tyneside	
		Hartlepool	
		Redcar & Cleveland	
		Middlesbrough	
		Stockton-on-Tees	
North West	Cumbria	Cumbria	North West
		Lancashire	
	Greater Manchester	Blackburn	
		Blackpool	
		Tameside	
		Stockport	
		Manchester	
		Trafford	
		Salford	
		Oldham	
		Rochdale	
		Bury	
	Cheshire	Wigan	
		Bolton	
	Merseyside	Cheshire	
		Halton	
		Warrington	
		Sefton	
		Wirral	
		Liverpool	
		Knowsley	
		St. Helens	
Yorkshire & Humberside	North Yorkshire	North Yorkshire	Yorkshire & The Humber
		York	
	West Yorkshire	Leeds	
		Bradford	
		Calderdale	
		Kirklees	
		Wakefield	
	South Yorkshire	Sheffield	
		Rotherham	
		Doncaster	
	Humberside	Barnsley	
		East Riding of Yorkshire	
		Kingston-upon-Hull	
		North East Lincolnshire	
		North Lincolnshire	
West Midlands	Hereford & Worcester	Worcestershire	West Midlands
		Shropshire	
	Staffordshire	The Wrekin	
		Staffordshire	
		Stoke-on-Trent	
	Warwickshire	Warwickshire	
		Birmingham	
	West Midlands	Wolverhampton	
		Dudley	
		Walsall	
		Sandwell	
		Solihull	
		Coventry	

REGION	COUNTY	COUNTY/UNITARY	REGION (GoR)
East Midlands	Derbyshire	Derbyshire	East Midlands
	Derby	Derby	
	Leicestershire	Leicestershire	
	Leicester	Leicester	
	Rutland	Rutland	
	Lincolnshire	Lincolnshire	
	Northamptonshire	Northamptonshire	
	Nottinghamshire	Nottinghamshire	
	Nottingham	Nottingham	
East of England	Cambridgeshire	Cambridgeshire	East of England
	Peterborough	Peterborough	
	Norfolk	Norfolk	
	Suffolk	Suffolk	
	Bedfordshire	Bedfordshire	
	Essex	Essex	
	Thurrock	Thurrock	
	Hertfordshire	Hertfordshire	
South East	Berkshire	Bracknell Forest	South East
		Newbury	
		Reading	
		Slough	
		Windsor & Maidenhead	
		Wokingham	
	Buckinghamshire	Buckinghamshire	
		Milton Keynes	
	East Sussex	East Sussex	
	Brighton & Hove	Brighton & Hove	
	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	
South West	Avon	Bath & North East Somerset	South West
		Bristol	
		North Somerset	
		South Gloucestershire	
	Cornwall	Cornwall	
	Devon	Devon	
		Plymouth	
		Torbay	
	Dorset	Dorset	
		Bournemouth	
		Poole	
	Gloucestershire	Gloucestershire	
	Somerset	Somerset	
	Wiltshire	Wiltshire	
		Thamesdown/Swindon	

REGION (EPR)	COUNTY	COUNTY/UNITARY	REGION (GoR)
Wales	Gwynedd	Anglesey	Wales
		Gwynedd	
		Conwy	
	Clwyd	Denbighshire	
		Flintshire	
		Wrexham	
	Powys	Powys	
	Dyfed	Ceredigion	
		Pembrokeshire	
		Carmarthenshire	
	West Glamorgan	Swansea	
	Mid Glamorgan	Neath Port Talbot	
		Bridgend	
		Rhondda Cynon Taff	
	South Glamorgan	Merthyr Tydfil	
		Vale of Glamorgan	
		Cardiff	
	Gwent	Caerphilly	
		Blaenau Gwent	
		Torfaen	
		Monmouthshire	
Scotland	South of Scotland	Newport	Scotland
		Dumfries & Galloway	
	West Central Scotland	Scottish Borders	
		East Ayrshire	
		East Dunbartonshire	
		East Renfrewshire	
		Argyll & Bute	
		Glasgow	
		Inverclyde	
		North Ayrshire	
		North Lanarkshire	
		South Ayrshire	
		Stirling	
		West Dunbartonshire	
	East Central Scotland	Clackmannanshire	
		East Lothian	
		Edinburgh	
		Mid Lothian	
		West Lothian	
		Falkirk	
	Tayside & Fife	Angus	
		Dundee City	
		Fife	
	North East Scotland	Perth & Kinross	
		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 , 2010

PA1007

Thousand tonnes

Mineral	Constructional uses (b)	Cement	Agricultural uses	Industrial uses (a)	Total
Limestone	40,663	*	*	4,842	53,296
Dolomite	3,224	-	*	*	4,540
Chalk	312	*	*	*	3,625
Total	44,199	8,703	1,795	6,764	61,461

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

TABLE B - Limestone, dolomite and chalk:
Extractors' sales of material for agricultural and industrial uses, 2010 (a)

Thousand tonnes

Use	Limestone	Dolomite	Chalk	Total	Of which for conversion by calcination
Agricultural / horticultural	*	*	*	1,795	
Iron and steel	*	*	*	3,035	*
Glass making	*	*	*	*	
Asphalt filler	85	-	-	85	
Other specialised fillers	*	-	*	912	
Chemical use	*	-	*	*	*
Building materials	*	-	*	332	
Water & effluent treatment & pollution control	*	-	*	*	*
Total	5,900	1,317	1,344	8,561	1,401

(a) Includes material for calcination

TABLE 1 - INDUSTRIAL SAND

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Extractors' sales by end-use and area of origin, 2010

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	1	-	-	*	*
Yorkshire & the Humber	*	*	*	*	*
North West	322	*	*	385	1,236
West Midlands	*	*	*	*	*
East Midlands	7	-	*	*	*
East of England	*	*	*	*	*
South East	-	*	*	255	664
South West	-	-	*	*	18
England	*	*	880	1,081	3,633
Wales	-	-	*	*	*
Scotland	*	*	*	*	*
Great Britain	353	1,582	913	1,222	4,070

England		Wales		Scotland	
County	Total sales	County	Total sales	County	Total sales
Tyne & Wear	*	Clwyd	*	South of Scotland	*
Durham	1	Dyfed	*	West Central Scotland	*
North Yorkshire	*			East Central Scotland	*
South Yorkshire	*			Tayside and Fife	*
Humberside	*				
Gtr Manchester	*				
Cheshire	*				
Staffordshire	*				
H'ford & W'cester	3				
Nottinghamshire	*				
Lincolnshire	*				
Norfolk	*				
Suffolk	8				
Essex	*				
Bedfordshire	*				
Surrey	*				
Kent	*				
Dorset	*				
Devon	*				

TABLE 2 - SAND & GRAVEL FOR CONSTRUCTION

Extractors' sales by end-use and area of or 2010

PA1007

													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	*	66	*		-	*		44	*		457		-	
Tyne & Wear	-	-	*	†	-	-		-	*	†	*	†	*	
Durham	3	120	*		-	-		-	-		*		-	
Cleveland	-	-	*	†	-	69	†	-	*		380	†	*	
North East	*	187	665	†	-	*	†	44	*	†	1,150	†	*	
North Yorkshire	*	109	668		*	*		*	92		1,701		-	
West Yorkshire	-	*	*		-	*		-	33		116		-	
South Yorkshire	*	*	289		*	92		*	32		679		-	
Humberside	*	157	*		-	60	†	164	*		699	†	56	
Yorkshire & the Humber	*	533	1,239		*	772	†	366	*		3,195	†	56	
Lancashire	-	*	*		-	-		*	-		*		-	
Cumbria	*	107	258		-	37		*	49		561		-	
Greater Manchester	*	*	*		-	*		-	*		*		-	
Cheshire	*	281	528		-	-		-	*		901		-	
Merseyside	-	51	†	47	†	-		-	-		97	†	97	
North West	111	486	†	1,026	†	-	*	*	125		1,841	†	97	
Shropshire	*	90	350		*	169		*	42		687		-	
Staffordshire	68	166	1,310		127	1,198		533	505		3,908		-	
West Midlands	-	*	*		-	*		*	*		451		-	
Warwickshire	4	135	*		-	*		21	53		409		-	
Hereford & Worcester	*	*	*		-	*		*	*		618		-	
West Midlands	*	665	2,234		*	1,620		721	622		6,074		-	
Derbyshire	-	*	401		*	*		*	*		1,019		-	
Northamptonshire	*	*	*		*	*		*	*		*		-	
Leicestershire	*	*	*		-	*		*	*		*		-	
Nottinghamshire	62	213	575		-	*		*	56		1,375		-	
Lincolnshire	*	183	838		70	402		306	*		1,966		-	
East Midlands	*	503	2,511		*	1,335		597	325		5,503		-	
Cambridgeshire	*	*	638		*	*		128	*		1,576		-	
Norfolk	62	83	506		19	276		157	195		1,298		-	
Suffolk	*	104	†	485	†	171	†	276	†	123	†	1,211	†	
Essex	*	427	1,211	†	*	1,164	†	*	432	†	3,382	†	*	
Hertfordshire	-	*	*		-	*		*	*		*		-	
Bedfordshire	*	350	*		*	176		*	81		*		-	
East of England	*	1,021	†	3,717	†	*	2,565	†	786	†	1,229	†	*	
Buckinghamshire	-	*	126		-	150		*	*		*		-	
Oxfordshire	-	151	*		*	*		*	*		499		-	
Berkshire	-	67	259		-	354		85	71		836		-	
Surrey	*	197	273		-	245		*	45		936		-	
Kent	*	380	†	885	†	1,222	†	86	†	*	3,442	†	2,002	
East Sussex	*	†	-	†	*	*	†	*	†	*	*	†	*	
West Sussex	*	†	*	†	206	†		*	†	*	654	†	*	
Hampshire	*	†	*	†	687	†		981	†	227	†	2,284	†	
Isle of Wight	*		*		-	*		-	*		27		-	
Greater London	3	*	†	1,818	†	3		*	†	*	3,600	†	3,055	
South East	*	†	1,179	†	4,435	†		4,923	†	682	†	1,749	†	

Gloucestershire	-		*		*		*		440		23		27		*		-
Wiltshire	-		*		204		-		*		*		*		647		-
Avon	-		*	†	*	†	-		-		-		-		*	†	*
Somerset	-		-		*	†	*		*	†	*		*		*	†	*
Dorset	*		148		482	†	*		*	†	*		*	†	1,255	†	*
Devon	*		*		231	†	*		61	†	*		*		627	†	*
Cornwall	-		*		473		-		-		-		*		*		-
South West	181		356	†	1,930	†	*		762	†	*		1,237	†	4,714	†	453
England	*	†	4,929	†	17,758	†	*		12,169	†	3,439	†	5,558	†	45,332	†	8,609
Clwyd	-		*		*		-		*		*		*		*		-
Gwynedd	-		43	†	47		-		30		-		-		121	†	43
Dyfed	*		160	†	67	†	-		28		*	†	47	†	332	†	*
West Glamorgan	-		*	†	*	†	-		*	†	*	†	*	†	*	†	*
Mid Glamorgan	-		-		-		-		-		-		-		-		-
South Glamorgan	-		*	†	*	†	-		33	†	-		*	†	*	†	*
Gwent	*	†	*	†	*	†	-		-		-		*	†	261	†	261
Powys	-		-		-		-		-		-		2		3		-
Wales	*	†	505	†	658	†	-		244	†	128	†	*	†	1,633	†	732
South of Scotland	*		30		165		*		*		86		16		461		-
West Central Scotland	*		325		879		-		154		493		*		2,368		-
East Central Scotland	105		51		564		-		*		621		*		1,528		-
Tayside and Fife	152		176		477		-		456		*		*		1,497		-
North East Scotland	57		*		259		*		209		111		164		849		-
Highlands	*		24		171		30		133		*		179		618		-
Western Isles	-		*		*		-		*		-		4		10		-
Orkney	-		*		*		-		-		-		-		*		-
Shetland	-		1		*		-		-		-		*		*		-
Scotland	533		675		2,531		*		1,081		1,479		*		7,365		-
Great Britain	1,600	†	6,110	†	20,947	†	512		13,494	†	5,046	†	6,621	†	54,330	†	9,341
Marine Dredged	*		535		4,300		-		3,865		*		387		9,341		-

† Includes marine dredged material

See also note 6

Extractors' sales by end-use and area of origin, 2010

Thousand tonnes

Area of origin	Building stone	Roadstone				Concrete Aggregates	Other screened and graded	Rail Ballast	Other onstruction uses	Armourstone & Gabion	Industrial Uses	Total
		For asphalt on site	For asphalt off site	Uncoated roadstone 1&2	Surface dresssing chippings							
North East	18	-	-	-	-	-	-	-	*	-	-	*
Yorkshire & the Humber	136	*	*	*	168	*	78	-	76	-	-	1,259
North West	240	*	*	*	-	*	*	-	*	-	-	1,128
West Midlands	4	*	*	*	*	*	*	*	*	-	*	*
East Midlands	87	-	-	-	-	-	*	-	*	*	-	139
East of England	*	-	-	*	-	-	-	-	81	-	-	95
South East	1	-	-	-	-	-	-	-	*	-	-	*
South West	*	*	185	26	-	*	40	-	208	*	-	544
England	512	*	*	600	*	532	248	*	695	*	*	4,176
Wales	*	446	1,244	108	128	126	171	-	369	*	*	2,807
Scotland	*	*	*	558	*	201	213	1	496	*	-	1,806
Great Britain	741	889	2,354	1,265	*	859	632	*	1,560	*	*	8,789

England		Wales		Scotland	
County	Total sales	County	Total sales	County	Total sales
Northumberland	*	Dyfed	*	South of Scotland	897
Durham	*	West Glamorgan	508	West Central Scotland	408
North Yorkshire	846	Mid Glamorgan	666	Tayside and Fife	1
West Yorkshire	413	Gwent	*	North East Scotland	*
Lancashire	*	Powys	*	Highlands	176
Cumbria	*			Orkney	*
Gtr Manchester	*			Shetland	*
Cheshire	45				
Shropshire	*				
Staffordshire	5				
Hereford & Worcester	129				
Derbyshire	*				
Northamptonshire	*				
Norfolk	*				
Suffolk	*				
Hertfordshire	*				
West Sussex	*				
Gloucestershire	12				
Somerset	*				
Dorset	2				
Devon	*				
Cornwall	*				

Table 4 - IGNEOUS ROCK

Extractors' sales by end-use and area of origin, 2010

PA1007

Thousand tonnes

Area of origin	Building stone	Roadstone				Concrete Aggregates	Other screened and graded	Rail Ballast	Other constructional use	Armourstone & Gabion	Industrial uses	Total
		For asphalt on site	For asphalt off site	Uncoated roadstone 1&2	Surface dresssing chippings							
North East	*	*	*	234	*	70	*	*	*	*	*	1,325
Yorkshire & The Humber	-	-	-	-	-	*	-	-	-	*	-	*
North West	*	*	*	12	*	*	*	-	2	*	-	*
West Midlands	*	*	*	339	*	50	78	-	*	*	*	1,720
East Midlands	*	1,081	*	2,438	*	909	*	*	983	55	1	11,119
South East	*	-	-	-	-	-	-	-	-	*	-	*
South West	*	*	115	432	*	*	132	*	423	102	-	2,658
England	*	2,364	2,037	3,455	364	2,041	1,499	*	1,632	192	*	17,460
Wales	*	330	540	236	90	216	112	*	677	*	*	2,294
Scotland	552	2,512	499	6,483	186	3,007	3,693	*	2,187	*	*	19,684
Great Britain	*	5,205	3,076	10,175	640	5,264	5,305	2,154	4,496	*	*	39,438

England		Wales		Scotland	
County	Total sales	County	Total sales	County	Total sales
Northumberland	*	Gwynedd	1,049	South of Scotland	*
Durham	*	Dyfed	426	West Central Scot	6,694
North Yorkshire	*	Powys	820	East Central Scotl	2,336
Cumbria	*			Tayside and Fife	1,158
Shropshire	*			North East Scotlar	1,735
Warwickshire	*			Highlands	*
Leicestershire	11,119			Western Isles	195
Oxfordshire	*			Shetland	158
Hampshire	*				
Somerset	*				
Devon	*				
Cornwall	*				

TABLE 5 - LIMESTONE (including Dolomite for constructional uses)																				PA1007
Extractors' sales by end-use and area of origin, 2010																				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 dresssing chippings	Concrete Aggreg's	Other screened and graded	Rail Ballast	Other construction uses	Armour-stone & Gabion	Cement	Agricultural uses	Iron & steel	Chemical uses	Building materials	Environ-mental uses (a)	Glass making	Asphalt filler	Other fillers (b)	
North East	*	*	*	610	179	319	*	-	331	21	-	*	-	-	-	-	-	-	-	2,318
Yorkshire & the Humber	*	363	*	*	17	*	553	-	841	28	-	64	*	-	-	-	-	-	-	5,866
North West	*	*	*	*	119	*	350	-	*	24	*	40	*	-	-	*	-	*	-	4,963
West Midlands	3	*	*	*	-	*	*	-	*	-	1,072	*	-	-	-	-	-	*	-	*
East Midlands	687	487	*	1,853	-	2,088	*	-	*	*	*	290	*	*	*	*	*	*	*	15,669
East of England	-	*	-	*	-	-	-	-	*	-	-	*	-	-	-	-	-	-	-	*
South East	2	-	-	*	-	*	*	-	*	*	-	*	-	-	-	-	-	-	-	802
South West	*	945	1,040	2,990	*	4,019	1079	*	1,506	*	-	367	*	-	-	*	-	*	*	16,237
England	*	*	*	7,778	*	9,114	4,152	*	4,843	171	5,326	846	1,249	*	*	*	*	*	633	47,569
Wales	*	454	210	1,351	-	1,770	914	*	1,401	*	746	118	*	-	-	-	-	*	-	7,878
Scotland	-	*	*	105	*	31	53	-	21	*	*	*	-	-	-	-	-	*	*	1,072
Great Britain	*	2,877	2,703	9,234	*	10,915	5,119	*	6,264	189	*	*	*	*	*	*	*	85	*	56,518

England		Wales		Scotland	
County	Total Sales	County	Total sales	County	Total sales
Northumberland	*	Clwyd	3,033	West Central Scotland	86
Tyne & Wear	*	Gwynedd	*	East Central Scotland	*
Durham	1939	Dyfed	1,185	Tayside and Fife	*
Cleveland	*	Mid Glamorgan	2,828	North East Scotland	*
North Yorkshire	*	South Glamorgan	537	Highlands	95
West Yorkshire	7	Gwent	146		
South Yorkshire	*	Powys	*		
Humberside	*				
Lancashire	2,508				
Cumbria	2,455				
Shropshire	*				
Staffordshire	*				
Hereford & Worcester	*				
Derbyshire	12,896				
Northamptonshire	171				
Leicestershire	2,138				
Lincolnshire	464				
Cambridgeshire	*				
Norfolk	*				
Suffolk	*				
Essex	*				
Buckinghamshire	1				
Oxfordshire	*				
Kent	*				
Isle of Wight	*				
Gloucestershire	1,433				
Wiltshire	19				
Avon	3,263				
Somerset	9,530				
Dorset	231				
Devon	*				
Cornwall	*				

TABLE 5A - DOLOMITEPA1007

Extractors' sales by end-use and area of origin, 2010

Thousand tonnes

Area of origin	Building stone	Other Constructional uses	<u>Industrial and Agricultural uses</u>		Total
			Industrial uses	Agricultural uses	
North East	-	1,555	333	328	2,216
Yorkshire & the Humber	*	*	*	*	*
East Midlands	-	*	*	*	*
England	*	*	*	*	*
Wales	-	*	-	*	*
Scotland	-	*	-	*	*
Great Britain	*	3,222	*	*	4,540

Other constructional uses are included in Table 5

TABLE 6 - PEATPA1007

Extractors' sales by end-use and area of origin, 2010

Thousand cubic metres			
Area of Origin	Horticultural use	Other uses	Total
North West	388	-	388
East of England	*	1	*
South West	*	-	*
England	456	1	456
South of Scotland	*	-	*
West Central Scotland	*	4	*
East Central Scotland	*	-	*
North East Scotland	2	11	14
Highlands	-	3	3
Orkney	1	-	1
Shetland	-	3	3
Scotland	527	21	548
Great Britain	983	21	1,004

FOOT NOTE :
PA 1007 2008 - 41,000m3 was misreported as other uses. This should have been reported as Horticultural use.

TABLE 7 - CRUSHED ROCK

PA1007

Extractors' sales by end-use and area of origin, 2010

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	287	*	*	*	166	*	*	155	*	*
Tyne & Wear	-	-	*	-	-	75	-	30	-	*
Durham	319	*	603	131	224	*	-	287	23	1,976
Cleveland	-	-	-	48	-	-	-	-	-	48
North East	606	*	844	*	390	620	*	472	*	3,354
North Yorkshire	363	1,174	1,023	185	*	487	-	717	*	5,230
West Yorkshire	*	-	*	-	7	*	-	*	-	*
South Yorkshire	-	-	*	-	*	*	-	*	*	*
Humberside	-	-	-	-	-	*	-	-	-	*
Yorkshire & the Humber	*	1,174	1,592	185	1,786	631	-	917	*	6,681
Lancashire	*	*	540	-	*	*	-	*	2	1,863
Cumbria	*	*	*	*	*	228	-	*	25	2,280
Greater Manchester	-	-	*	-	*	*	-	-	*	*
Cheshire	-	-	-	-	-	-	-	*	-	*
North West	498	*	954	*	1,210	480	-	418	*	4,329
Shropshire	*	*	420	*	194	74	*	244	*	2,057
Staffordshire	*	*	*	-	-	*	-	*	-	*
Warwickshire	*	*	*	-	*	*	-	*	-	*
Hereford & Worcester	*	-	35	-	*	*	-	*	-	*
West Midlands	739	697	*	*	*	*	*	432	*	2,927
Derbyshire	*	449	1,512	-	1,981	1,377	-	539	*	6,201
Northamptonshire	-	-	60	-	-	-	-	*	-	*
Leicestershire	*	1,081	2,719	*	1,015	*	*	1,078	*	10,337
Lincolnshire	-	-	-	-	-	*	-	*	-	*
East Midlands	1,569	1,529	4,291	*	2,996	2,683	*	2,036	87	17,036
Cambridgeshire	-	-	-	-	-	-	-	*	-	*
Norfolk	-	-	*	-	-	-	-	*	-	81
Suffolk	*	-	*	-	-	-	-	-	-	*
Essex	-	-	*	-	-	-	-	-	-	*
Hertfordshire	-	-	*	-	-	-	-	-	-	*
East of England	*	-	*	-	-	-	-	*	-	274
Oxfordshire	-	-	-	-	*	-	-	253	*	*
Kent	-	-	*	-	*	*	-	*	*	*
West Sussex	-	-	-	-	-	-	-	20	-	20
Isle of Wight	-	-	-	-	*	*	-	-	-	*
South East	-	-	*	-	*	*	-	*	*	800
Gloucestershire	*	31	*	-	555	137	-	206	3	*
Avon	*	*	584	-	793	*	-	*	*	2,484
Somerset	*	799	2,061	-	2,226	530	*	1,260	*	7,383
Dorset	*	-	*	-	-	*	-	*	-	*
Devon	182	*	374	*	488	*	*	*	*	1,505
Cornwall	141	*	206	*	959	117	-	157	100	1,926
South West	1,298	1,340	3,448	*	5,021	1,252	*	2,137	*	14,715
England	5,077	5,522	11,833	909	11,687	5,900	*	7,170	*	50,115
Clwyd	160	37	731	-	617	245	-	726	-	2,516
Gwynedd	*	*	104	11	*	*	*	431	25	1,063
Dyfed	168	*	228	*	447	286	-	359	*	1,555
West Glamorgan	*	*	*	-	-	*	-	40	-	344
Mid Glamorgan	*	*	403	-	691	360	*	367	*	2,739
South Glamorgan	*	-	*	-	*	62	-	*	-	*
Gwent	-	-	*	*	66	*	-	*	*	*
Powys	*	844	*	163	148	*	-	482	*	2,311
Wales	1,229	1,995	1,695	218	2,112	1,198	*	2,446	*	11,001
South of Scotland	119	119	587	*	*	280	-	359	*	1,642
West Central Scotland	1,393	130	2,182	24	809	966	125	1,496	26	7,150
East Central Scotland	*	*	1,145	-	368	*	-	117	*	2,339
Tayside and Fife	*	*	483	*	112	*	*	107	11	1,290
North East Scotland	482	*	441	*	203	268	-	351	*	1,863
Highlands	133	34	*	31	*	*	*	168	18	*
Western Isles	*	*	49	*	*	*	-	*	*	195
Orkney	*	-	*	*	*	*	-	*	-	*
Shetland	26	-	*	4	*	*	-	*	*	*
Scotland	2,665	617	7,146	217	3,239	3,959	*	2,704	*	21,193
Great Britain	8,971	8,133	20,674	1,343	17,039	11,056	2,158	12,320	614	82,309

TABLE 8 - CLAY & SHALE

Extractors' sales by end-use and area of origin 2010

PA1007

Thousand tonnes

Area of Origin	Bricks, pipes & tiles	Cement	Constructional uses	Other uses	Total
Northumberland	10	-	-	-	10
Tyne & Wear	100	-	-	-	100
Durham	*	-	-	-	*
North East	*	-	-	-	*
North Yorkshire	-	-	156	-	156
West Yorkshire	235	-	-	-	235
South Yorkshire	73	-	-	-	73
Humberside	61	76	3	9	148
Yorkshire & the Humber	369	76	159	9	613
Lancashire	*	-	*	-	*
Cumbria	23	-	20	-	43
Greater Manchester	*	-	-	*	*
Cheshire	*	-	-	-	*
North West	*	-	*	*	267
Shropshire	*	-	-	-	*
Staffordshire	*	*	-	-	844
West Midlands	*	-	*	-	261
Warwickshire	101	490	-	-	591
Hereford & Worcester	143	-	-	*	*
West Midlands	1,093	*	*	*	1,960
Derbyshire	*	237	-	-	*
Leicestershire	*	*	-	-	581
Nottinghamshire	*	-	*	-	*
Lincolnshire	-	-	*	-	*
East Midlands	*	*	*	-	1,212
Cambridgeshire	*	-	-	-	*
Essex	*	-	*	-	15
Hertfordshire	10	-	-	-	10
East of England	*	-	*	-	*
Buckinghamshire	*	-	-	-	*
Surrey	*	-	-	-	*
Kent	*	-	-	-	*
East Sussex	*	-	-	-	*
West Sussex	306	-	-	-	306
Hampshire	*	-	-	-	*
Greater London	-	-	*	-	*
South East	*	-	*	-	543
Gloucestershire	27	-	25	1	54
Avon	*	-	-	-	*
Devon	-	-	2	-	2
Dorset	*	-	-	-	*
Cornwall	-	-	-	*	*
South West	*	-	27	*	*
England	3,678	1,322	413	11	5,424
Clwyd	-	-	23	-	23
Gwynedd	-	-	23	-	23
Dyfed	-	-	*	*	*
Powys	-	-	30	-	30
Wales	-	-	*	*	*
West Central Scotland	*	-	*	-	*
East Central Scotland	-	31	*	-	*
Scotland	*	31	*	-	*
Great Britain	*	1,353	769	*	5,934

TABLE 9 - CHALKPA1007

Extractors' sales by end-use and area of origin, 2010

Thousand tonnes

Area of origin	Cement	Other Constructional	Agricultural uses	Industrial uses	Total
North Yorkshire	-	5	-	-	5
Humberside	*	188	86	*	1,672
Yorkshire & the Humber	*	193	86	*	1,677
Lincolnshire	-	*	*	-	*
East Midlands	-	*	*	-	*
Cambridgeshire	*	-	18	*	*
Norfolk	-	-	*	-	*
Suffolk	-	-	*	*	*
Essex	-	-	*	-	*
Hertfordshire	-	-	*	-	*
Bedfordshire	*	-	-	-	*
East of England	*	-	*	*	1,700
Surrey	-	-	*	-	*
Kent	-	50	47	-	97
West Sussex	-	1	31	-	32
Hampshire	-	*	*	-	*
Isle of Wight	-	*	*	-	*
South East	-	*	*	-	177
Devon	-	-	*	-	*
South West	-	-	*	-	*
England	*	312	*	*	3,626

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, 2010

Thousand tonnes

Area of origin	Total
Northumberland	*
North East	*
West Yorkshire	-
Yorkshire & the Humber	-
Shropshire	*
West Midlands	*
Leicestershire	*
East Midlands	*
England	108
West Central Scotland	3
Scotland	3
Great Britain	110

TABLE 11 - ORE MINERALS
Extractors' sales by end-use and area of origin, 2010

PA1007
 Thousand tonnes

Mineral	Area of origin	Estimated recoverable mineral & metal content
Iron		
- (Crude ore sold in tonnes)	Cumbria, Gloucestershire	-
Other Ore Minerals		
(Total crude ore sold in tonnes)	Cornwall, Derbyshire, Tayside & Fife	97
Barium sulphate	Derbyshire, Tayside and Fife	36
Calcium fluoride	Derbyshire	33
Lead	Derbyshire	-

TABLE 12 - OTHER MINERALS
Extractors' sales by end-use and area of origin, 2010

PA1007
 Thousand tonnes

Mineral	Area of origin	Sales	
Ball clay	Dorset, Devon	387	
Chert and Flint	Norfolk, Kent, Essex, Hampshire	*	
China clay	Cornwall	*	
Gypsum	Cumbria, Staffordshire, Leicestershire Nottinghamshire, East Sussex	*	
Potash (refined)	Cleveland	*	
Rock salt	Cleveland, Cheshire	6,333	
Salt from brine			
Salt in brine			
Silica stone	Durham	-	
Slate (includes some "roofing stone")	Northumberland, West Yorkshire, Cumbria, Oxfordshire, Gloucestershire, Avon, Devon, Cornwall, Clwyd, Gwynedd, Dyfed, West Central Scotland, East Central Scotland, Highlands	695	(a)
Soapstone & Talc	Cornwall, Shetland	*	

(a) Roofing and vertically hanging slates, includes 'true' slate and stone slates produced from thinly bedded sandstones and limestones. Also includes 'true' and stone slates sold as sawn slabs for decorative cladding.
 Roofing (including roofing slates used vertically) 22 ; Cladding and other decorative uses * ; Powder and granules * ; Crude Blocks 35 ; Fill and other uses 615.

TABLE 13 - ALL MINERALS
Employment by mineral and area, 2010

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	-	-	-	6	-	-	-	-	872	881
Durham	1	32	7	8	150	411	-	1	-	-	2	612
Northumberland	-	132	58	196	-	-	-	2	-	-	-	388
Tyne & Wear	-	17	-	-	-	54	-	7	-	-	-	78
North East	1	184	65	204	150	471	-	10	-	-	874	1,959
Humberside	15	113	-	-	15	-	123	16	-	-	-	282
North Yorkshire	-	270	120	-	454	8	4	9	-	-	-	865
South Yorkshire	-	148	7	-	69	177	-	25	-	-	-	426
West Yorkshire	-	17	413	-	-	2	-	51	2	-	-	485
Yorkshire & the Humber	15	548	540	-	538	187	127	101	2	-	-	2,058
Cumbria	-	250	76	35	379	-	-	1	-	68	179	988
Cheshire	116	181	39	-	-	-	-	1	-	1	218	556
Greater Manchester	-	168	50	-	-	-	-	8	-	16	-	242
Lancashire	-	110	95	-	415	-	-	42	-	37	-	699
Merseyside	-	1	-	-	-	-	-	-	-	-	-	1
North West	116	710	260	35	794	-	-	52	-	122	397	2,486
Hereford & Worcester	7	151	22	-	15	-	-	9	-	-	-	204
Shropshire	-	136	239	157	123	-	-	9	16	2	-	682
Staffordshire	22	521	3	-	114	-	-	72	-	-	1	733
Warwickshire	-	42	-	145	-	-	-	29	-	-	-	216
West Midlands	-	99	-	-	-	-	-	11	-	-	-	110
West Midlands	29	949	264	302	252	-	-	130	16	2	1	1,945
Derbyshire	-	60	128	-	1,375	75	-	36	-	-	65	1,739
Leicestershire	-	124	-	1,339	191	-	-	9	13	-	1	1,677
Lincolnshire	1	123	-	-	142	-	2	-	-	-	-	268
Northamptonshire	-	16	3	-	6	-	-	-	-	-	-	25
Nottinghamshire	-	440	-	-	-	-	-	32	-	-	57	529
East Midlands	1	763	131	1,339	1,714	75	2	77	13	-	123	4,238
Essex	1	579	-	-	-	-	1	9	-	-	-	590
Bedfordshire	33	359	-	-	-	-	21	-	-	-	-	413
Hertfordshire	-	82	-	-	-	-	47	2	-	-	-	131
Cambridgeshire	-	197	-	-	40	-	10	17	-	-	-	264
Norfolk	39	185	10	-	-	-	7	-	-	2	-	243
Suffolk	-	279	-	-	-	-	6	4	-	5	-	294
East of England	73	1,681	10	-	40	-	92	32	-	7	-	1,935
Berkshire	-	197	-	-	-	-	-	-	-	-	-	197
Buckinghamshire	-	133	-	-	4	-	33	-	-	-	-	170
East Sussex	-	2	-	-	-	-	17	-	-	-	1	20
Greater London	-	82	-	-	-	-	-	3	-	-	-	85
Hampshire	-	279	-	-	-	-	12	1	-	-	-	292
Isle of Wight	-	7	-	-	2	-	8	-	-	-	-	17
Kent	12	299	-	-	90	-	126	34	1	-	1	563
Oxfordshire	-	238	-	-	150	-	-	-	-	-	-	388
Surrey	48	182	-	-	-	-	-	2	-	-	-	232
West Sussex	-	55	23	-	-	-	7	31	-	-	-	116
South East	60	1,474	23	-	246	-	153	121	1	-	2	2,080
Avon	-	2	-	-	292	-	-	4	-	-	-	298
Cornwall	2	44	41	236	3	-	-	-	-	-	373	699
Devon	-	249	45	27	561	-	5	1	-	-	41	929
Dorset	-	258	1	-	119	-	-	1	-	-	14	393
Gloucestershire	-	309	21	-	345	-	-	20	-	-	29	724
Somerset	-	67	4	116	1,066	-	-	-	-	38	-	1,291
Wiltshire	-	202	-	-	16	-	-	-	-	-	-	218
South West	2	1,131	112	379	2,402	-	5	26	-	38	457	4,552
England	297	7,440	1,405	2,259	6,136	733	379	549	32	169	1,854	21,253
Clwyd	-	179	-	-	286	-	-	1	1	-	4	471
Dyfed	-	72	12	76	231	-	-	3	-	-	2	396
Gwent	-	3	14	-	23	-	-	-	-	-	-	40
Gwynedd	-	30	-	175	28	-	-	1	-	-	255	489
Mid Glamorgan	-	-	99	-	349	8	-	-	-	-	-	456
Powys	-	1	415	55	-	-	-	8	-	-	-	479
South Glamorgan	-	2	-	-	28	15	-	-	-	-	-	45
West Glamorgan	-	3	96	-	-	-	-	-	-	-	-	99
Wales	-	290	636	306	945	23	-	13	1	-	261	2,475
East Central Scotland	-	49	-	218	34	-	-	-	-	55	-	356
Highlands	-	91	59	259	28	7	-	-	-	2	-	446
North East Scotland	-	247	33	212	30	-	-	-	-	6	-	528
Orkney Isles	-	3	41	-	24	-	-	-	-	4	-	72
Shetland Isles	-	2	8	85	-	-	-	-	-	2	1	98
South Of Scotland	-	174	205	180	-	-	-	-	-	35	-	594
Tayside & Fife	25	168	3	142	9	-	-	-	-	-	1	348
West Central Scotland	-	382	55	855	25	-	-	23	-	57	4	1,401
Western Isles	-	30	-	87	-	-	-	-	-	-	-	117
Scotland	25	1,146	404	2,038	150	7	-	23	-	161	6	3,960
Great Britain	322	8,876	2,445	4,603	7,231	763	379	585	33	330	2,121	27,688

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, 2010

PA1007

Area	Mineral										Ore & other minerals	Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat		
Cleveland	-	3	-	-	-	6	-	-	-	-	745	754
Durham	1	1	7	8	48	185	-	1	-	-	2	253
Northumberland	-	21	46	47	-	-	-	2	-	-	-	116
Tyne & Wear	-	2	-	-	-	24	-	1	-	-	-	27
North East	1	27	53	55	48	215	-	4	-	-	747	1,150
Humberside	12	51	-	-	4	-	45	16	-	-	-	128
North Yorkshire	-	81	53	-	141	5	2	5	-	-	-	287
South Yorkshire	-	29	7	-	20	41	-	4	-	-	-	101
West Yorkshire	-	16	287	-	-	2	-	34	2	-	-	341
Yorkshire & the Humber	12	177	347	-	165	48	47	59	2	-	-	857
Cumbria	-	34	23	33	101	-	-	1	-	66	175	433
Cheshire	68	27	20	-	-	-	-	1	-	1	168	285
Greater Manchester	-	50	13	-	-	-	-	2	-	14	-	79
Lancashire	-	39	39	-	70	-	-	9	-	37	-	194
Merseyside	-	1	-	-	-	-	-	-	-	-	-	1
North West	68	151	95	33	171	-	-	13	-	118	343	992
Hereford & Worcester	7	23	16	-	5	-	-	2	-	-	-	53
Shropshire	-	93	40	67	5	-	-	4	1	2	-	212
Staffordshire	22	122	2	-	26	-	-	15	-	-	1	188
Warwickshire	-	22	-	25	-	-	-	4	-	-	-	51
West Midlands	-	38	-	-	-	-	-	4	-	-	-	42
West Midlands	29	298	58	92	36	-	-	29	1	2	1	546
Derbyshire	-	38	100	-	416	68	-	5	-	-	15	642
Leicestershire	-	62	-	511	49	-	-	5	3	-	1	631
Lincolnshire	1	83	-	-	94	-	2	-	-	-	-	180
Northamptonshire	-	7	3	-	6	-	-	-	-	-	-	16
Nottinghamshire	-	103	-	-	-	-	-	7	-	-	23	133
East Midlands	1	293	103	511	565	68	2	17	3	-	39	1,602
Essex	1	143	-	-	-	-	1	9	-	-	-	154
Bedfordshire	14	75	-	-	-	-	12	-	-	-	-	101
Hertfordshire	-	82	-	-	-	-	17	2	-	-	-	101
Cambridgeshire	-	38	-	-	14	-	4	8	-	-	-	64
Norfolk	39	93	8	-	-	-	7	-	-	2	-	149
Suffolk	-	85	-	-	-	-	6	4	-	1	-	96
East of England	54	516	8	-	14	-	47	23	-	3	-	665
Berkshire	-	35	-	-	-	-	-	-	-	-	-	35
Buckinghamshire	-	31	-	-	4	-	-	33	-	-	-	68
East Sussex	-	2	-	-	-	-	-	16	-	-	1	19
Greater London	-	42	-	-	-	-	-	1	-	-	-	43
Hampshire	-	51	-	-	-	-	4	1	-	-	-	56
Isle of Wight	-	7	-	-	1	-	4	-	-	-	-	12
Kent	5	72	-	-	27	-	75	6	1	-	1	187
Oxfordshire	-	29	-	-	48	-	-	-	-	-	-	77
Surrey	16	53	-	-	-	-	-	2	-	-	-	71
West Sussex	-	14	20	-	-	-	3	20	-	-	-	57
South East	21	336	20	-	80	-	86	79	1	-	2	625
Avon	-	2	-	-	84	-	-	4	-	-	-	90
Cornwall	1	12	20	79	3	-	-	-	-	-	298	413
Devon	-	132	22	9	90	-	1	1	-	-	30	285
Dorset	-	67	1	-	88	-	-	1	-	-	5	162
Gloucestershire	-	32	16	-	187	-	-	4	-	-	26	265
Somerset	-	7	4	28	321	-	-	-	-	30	-	390
Wiltshire	-	79	-	-	12	-	-	-	-	-	-	91
South West	1	331	63	116	785	-	1	10	-	30	359	1,696
England	187	2,129	747	807	1,864	331	183	234	7	153	1,491	8,133
Clwyd	-	28	-	-	88	-	-	1	1	-	4	122
Dyfed	-	53	6	49	84	-	-	1	-	-	2	195
Gwent	-	3	14	-	13	-	-	-	-	-	-	30
Gwynedd	-	15	-	48	19	-	-	1	-	-	235	318
Mid Glamorgan	-	-	23	-	104	8	-	-	-	-	-	135
Powys	-	1	77	32	-	-	-	7	-	-	-	117
South Glamorgan	-	2	-	-	23	5	-	-	-	-	-	30
West Glamorgan	-	3	57	-	-	-	-	-	-	-	-	60
Wales	-	105	177	129	331	13	-	10	1	-	241	1,007
East Central Scotland	-	24	-	54	29	-	-	-	-	21	-	128
Highlands	-	32	34	183	15	4	-	-	-	2	-	270
North East Scotland	-	59	18	92	6	-	-	-	-	6	-	181
Orkney Isles	-	-	3	19	-	1	-	-	-	4	-	27
Shetland Isles	-	-	2	4	25	-	-	-	-	2	1	34
South Of Scotland	-	42	67	36	-	-	-	-	-	14	-	159
Tayside & Fife	19	68	2	74	7	-	-	-	-	-	1	171
West Central Scotland	-	154	13	330	17	-	-	11	-	17	2	544
Western Isles	-	11	-	60	-	-	-	-	-	-	-	71
Scotland	19	395	157	854	75	4	-	11	-	66	4	1,585
Great Britain	206	2,629	1,081	1,790	2,270	348	183	255	8	219	1,736	10,725

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, 2010

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Cleveland	-	-	-	-	-	-	-	-	-	-	127	127
Durham	-	-	-	-	-	13	-	-	-	-	-	13
Northumberland	-	14	6	16	-	-	-	-	-	-	-	36
Tyne & Wear	-	5	-	-	-	3	-	3	-	-	-	11
North East	-	19	6	16	-	16	-	3	-	-	127	187
Humberside	1	1	-	-	-	-	16	-	-	-	-	18
North Yorkshire	-	7	7	-	20	2	-	-	-	-	-	36
South Yorkshire	-	8	-	-	2	11	-	1	-	-	-	22
West Yorkshire	-	-	46	-	-	-	-	6	-	-	-	52
Yorkshire & the Humber	1	16	53	-	22	13	16	7	-	-	-	128
Cumbria	-	14	3	-	18	-	-	-	-	2	-	37
Cheshire	1	16	1	-	-	-	-	-	-	-	50	68
Greater Manchester	-	11	1	-	-	-	-	-	-	2	-	14
Lancashire	-	3	9	-	9	-	-	10	-	-	-	31
North West	1	44	14	-	27	-	-	10	-	4	50	150
Hereford & Worcester	-	1	2	-	-	-	-	5	-	-	-	8
Shropshire	-	-	-	-	59	-	-	2	-	-	-	61
Staffordshire	-	37	-	-	7	-	-	15	-	-	-	59
Warwickshire	-	1	-	14	-	-	-	10	-	-	-	25
West Midlands	-	1	-	-	-	-	-	5	-	-	-	6
West Midlands	-	40	2	14	66	-	-	37	-	-	-	159
Derbyshire	-	4	11	-	80	1	-	14	-	-	25	135
Leicestershire	-	5	-	38	118	-	-	4	5	-	-	170
Lincolnshire	-	1	-	-	12	-	-	-	-	-	-	13
Nottinghamshire	-	27	-	-	-	-	-	8	-	-	30	65
East Midlands	-	37	11	38	210	1	-	26	5	-	55	383
Essex	-	38	-	-	-	-	-	-	-	-	-	38
Bedfordshire	-	9	-	-	-	-	9	-	-	-	-	18
Cambridgeshire	-	3	-	-	6	-	1	8	-	-	-	18
Norfolk	-	7	-	-	-	-	-	-	-	-	-	7
Suffolk	-	10	-	-	-	-	-	-	-	1	-	11
East of England	-	67	-	-	6	-	10	8	-	1	-	92
Berkshire	-	6	-	-	-	-	-	-	-	-	-	6
Buckinghamshire	-	1	-	-	-	-	-	-	-	-	-	1
East Sussex	-	-	-	-	-	-	-	1	-	-	-	1
Greater London	-	9	-	-	-	-	-	-	-	-	-	9
Hampshire	-	4	-	-	-	-	-	-	-	-	-	4
Kent	-	18	-	-	1	-	2	2	-	-	-	23
Oxfordshire	-	-	-	-	8	-	-	-	-	-	-	8
Surrey	2	8	-	-	-	-	-	-	-	-	-	10
West Sussex	-	4	-	-	-	-	2	10	-	-	-	16
South East	2	50	-	-	9	-	4	13	-	-	-	78
Avon	-	-	-	-	2	-	-	-	-	-	-	2
Cornwall	1	2	1	30	-	-	-	-	-	-	7	41
Devon	-	9	3	-	3	-	-	-	-	-	5	20
Dorset	-	2	-	-	7	-	-	-	-	-	5	14
Gloucestershire	-	2	1	-	9	-	-	-	-	-	-	12
Somerset	-	-	-	6	29	-	-	-	-	1	-	36
Wiltshire	-	7	-	-	2	-	-	-	-	-	-	9
South West	1	22	5	36	52	-	-	-	-	1	17	134
England	5	295	91	104	392	30	30	104	5	6	249	1,311
Clwyd	-	6	-	-	4	-	-	-	-	-	-	10
Dyfed	-	5	2	12	18	-	-	-	-	-	-	37
Gwynedd	-	3	-	23	-	-	-	-	-	-	5	31
Mid Glamorgan	-	-	11	-	29	-	-	-	-	-	-	40
Powys	-	-	6	12	-	-	-	-	-	-	-	18
South Glamorgan	-	-	-	-	3	5	-	-	-	-	-	8
West Glamorgan	-	-	7	-	-	-	-	-	-	-	-	7
Wales	-	14	26	47	54	5	-	-	-	-	5	151
East Central Scotland	-	6	-	14	1	-	-	-	-	-	-	21
Highlands	-	3	2	11	-	-	-	-	-	-	-	16
North East Scotland	-	7	2	6	2	-	-	-	-	-	-	17
Orkney Isles	-	-	-	-	3	-	-	-	-	-	-	3
Shetland Isles	-	-	-	3	-	-	-	-	-	-	-	3
South Of Scotland	-	6	14	15	-	-	-	-	-	1	-	36
Tayside & Fife	3	24	-	-	-	-	-	-	-	-	-	27
West Central Scotland	-	6	6	40	-	-	-	-	-	8	1	61
Western Isles	-	7	-	9	-	-	-	-	-	-	-	16
Scotland	3	59	24	98	6	-	-	-	-	9	1	200
Great Britain	8	368	141	249	452	35	30	104	5	15	255	1,662

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, 2010

PA1007

Area	Mineral											Total number
	Industrial sand	Sand & gravel (a)	Sandstone	Igneous rock	Limestone	Dolomite	Chalk	Clay & shale	Fireclay	Peat	Ore & other minerals	
Durham	-	31	-	-	102	213	-	-	-	-	-	346
Northumberland	-	97	6	133	-	-	-	-	-	-	-	236
Tyne & Wear	-	10	-	-	-	27	-	3	-	-	-	40
North East	-	138	6	133	102	240	-	3	-	-	-	622
Humberside	2	61	-	-	11	-	62	-	-	-	-	136
North Yorkshire	-	182	60	-	293	1	2	4	-	-	-	542
South Yorkshire	-	111	-	-	47	125	-	20	-	-	-	303
West Yorkshire	-	1	80	-	-	-	-	11	-	-	-	92
Yorkshire & the Humber	2	355	140	-	351	126	64	35	-	-	-	1,073
Cumbria	-	202	50	2	260	-	-	-	-	-	4	518
Cheshire	47	138	18	-	-	-	-	-	-	-	-	203
Greater Manchester	-	107	36	-	-	-	-	6	-	-	-	149
Lancashire	-	68	47	-	336	-	-	23	-	-	-	474
North West	47	515	151	2	596	-	-	29	-	-	4	1,344
Hereford & Worcester	-	127	4	-	10	-	-	2	-	-	-	143
Shropshire	-	43	199	90	59	-	-	3	15	-	-	409
Staffordshire	-	362	1	-	81	-	-	42	-	-	-	486
Warwickshire	-	19	-	106	-	-	-	15	-	-	-	140
West Midlands	-	60	-	-	-	-	-	2	-	-	-	62
West Midlands	-	611	204	196	150	-	-	64	15	-	-	1,240
Derbyshire	-	18	17	-	879	6	-	17	-	-	25	962
Leicestershire	-	57	-	790	24	-	-	-	5	-	-	876
Lincolnshire	-	39	-	-	36	-	-	-	-	-	-	75
Northamptonshire	-	9	-	-	-	-	-	-	-	-	-	9
Nottinghamshire	-	310	-	-	-	-	-	17	-	-	4	331
East Midlands	-	433	17	790	939	6	-	34	5	-	29	2,253
Essex	-	398	-	-	-	-	-	-	-	-	-	398
Bedfordshire	19	275	-	-	-	-	-	-	-	-	-	294
Hertfordshire	-	-	-	-	-	-	30	-	-	-	-	30
Cambridgeshire	-	156	-	-	20	-	5	1	-	-	-	182
Norfolk	-	85	2	-	-	-	-	-	-	-	-	87
Suffolk	-	184	-	-	-	-	-	-	-	3	-	187
East of England	19	1,098	2	-	20	-	35	1	-	3	-	1,178
Berkshire	-	156	-	-	-	-	-	-	-	-	-	156
Buckinghamshire	-	101	-	-	-	-	-	-	-	-	-	101
Greater London	-	31	-	-	-	-	-	2	-	-	-	33
Hampshire	-	224	-	-	-	-	8	-	-	-	-	232
Isle of Wight	-	-	-	-	1	-	4	-	-	-	-	5
Kent	7	209	-	-	62	-	49	26	-	-	-	353
Oxfordshire	-	209	-	-	94	-	-	-	-	-	-	303
Surrey	30	121	-	-	-	-	-	-	-	-	-	151
West Sussex	-	37	3	-	-	-	2	1	-	-	-	43
South East	37	1,088	3	-	157	-	63	29	-	-	-	1,377
Avon	-	-	-	-	206	-	-	-	-	-	-	206
Cornwall	-	30	20	127	-	-	-	-	-	-	68	245
Devon	-	108	20	18	468	-	4	-	-	-	6	624
Dorset	-	189	-	-	24	-	-	-	-	-	4	217
Gloucestershire	-	275	4	-	149	-	-	16	-	-	3	447
Somerset	-	60	-	82	716	-	-	-	-	7	-	865
Wiltshire	-	116	-	-	2	-	-	-	-	-	-	118
South West	-	778	44	227	1,565	-	4	16	-	7	81	2,722
England	105	5,016	567	1,348	3,880	372	166	211	20	10	114	11,809
Clwyd	-	145	-	-	194	-	-	-	-	-	-	339
Dyfed	-	14	4	15	129	-	-	2	-	-	-	164
Gwent	-	-	-	-	10	-	-	-	-	-	-	10
Gwynedd	-	12	-	104	9	-	-	-	-	-	15	140
Mid Glamorgan	-	-	65	-	216	-	-	-	-	-	-	281
Powys	-	-	332	11	-	-	-	1	-	-	-	344
South Glamorgan	-	-	-	-	2	5	-	-	-	-	-	7
West Glamorgan	-	-	32	-	-	-	-	-	-	-	-	32
Wales	-	171	433	130	560	5	-	3	-	-	15	1,317
East Central Scotland	-	19	-	150	4	-	-	-	-	34	-	207
Highlands	-	56	23	65	13	3	-	-	-	-	-	160
North East Scotland	-	181	13	114	22	-	-	-	-	-	-	330
Orkney Isles	-	-	22	-	20	-	-	-	-	-	-	42
Shetland Isles	-	-	4	57	-	-	-	-	-	-	-	61
South Of Scotland	-	126	124	129	-	-	-	-	-	20	-	399
Tayside & Fife	3	76	1	68	2	-	-	-	-	-	-	150
West Central Scotland	-	222	36	485	8	-	-	12	-	32	1	796
Western Isles	-	12	-	18	-	-	-	-	-	-	-	30
Scotland	3	692	223	1,086	69	3	-	12	-	86	1	2,175
Great Britain	108	5,879	1,223	2,564	4,509	380	166	226	20	96	130	15,301

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