

**West Midlands Regional Aggregate
Working Party**

**ANNUAL REPORT
2004**

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1. INTRODUCTION

- 1.0 The WMRAWP is a technical working group established in the 1970's along with nine other working parties covering all the regions of England and Wales. The group plays a major role in data collection, collation and monitoring and provides advice on future regional trends, together with the environmental and other implications of meeting Government aggregate demand forecasts. As well as enabling the mineral planning authorities (MPA's) within the region to formulate plans and policies which reflect national and regional needs, the WMRAWP provides an input to the production of Regional Planning Guidance and Central Government guidelines for aggregate provision.
- 1.2 The WMRAWP draws its members from the MPA's in the region together with representatives from the minerals industry (through its trade associations, the Quarry Products Association (QPA) and the British Aggregates Association (BAA), the Office of the Deputy Prime Minister (ODPM), the National Federation of Demolition Contractors (NFDC), the Department for Environment, Food and Rural Affairs (DEFRA) and the Government Office for the West Midlands (GOWM). A list of current members is contained in Appendix 1.
- 1.3 The 2004 annual survey forms were sent out to all aggregate producers in January 2005. Responses to the survey were suspended by members of the QPA whilst the Association themselves considered the full implications of the Freedom of Information Act and the Environmental Information Regulations in respect to confidentiality of the survey information. In response to these concerns a new procedure of handling of the individual site information was agreed and the survey forms for 2004 were reissued in October 2005. Response to the forms has been varied across the West Midlands Region and it is clear that a full Annual Monitoring Form for 2004 along the lines of previous years is therefore proving difficult.
- 1.4 Taking into account the problems encountered with the 2004 survey this report will now serve as the Annual Monitoring report for 2004. Production and Landbank values have been estimated using previous reports and advice from the individual MPA's.
- 1.5 Information and data for the production and use of Secondary Aggregates has again proved difficult to obtain accurate data. However, to address this common problem we have estimated using previous data, and survey data from the Regional Technical Advisory Body on waste.

2. THE WEST MIDLANDS REGION

2.1 The West Midlands Region at 1st January 2004 comprised:

Four Shire Counties:

Shropshire
Staffordshire
Warwickshire
Worcestershire

Three Unitary Authorities:

Herefordshire
Stoke-on-Trent (formerly part of Staffordshire)
Telford & Wrekin (formerly part of Shropshire)

and the

Metropolitan Districts of the West Midlands County Area:

Birmingham
Coventry
Dudley
Sandwell
Solihull
Walsall
Wolverhampton

3. SUB-REGIONAL APPORTIONMENT

- 3.1 National Aggregates Monitoring (AM) Surveys of sales, reserves and distribution have generally been carried out on a four yearly basis and have provided the framework in which to consider updates to the guidelines on aggregates provision. The most recently published survey took place in 2001 (AM2001) with the results of the national collation being published in April 2003. In June 2003 new National and Regional Guidelines for Aggregates Provision in England were published. These supersede the previous guidelines contained in MPG6. The new guidelines have been used in the preparation of this report. A draft sub-regional apportionment was prepared by the WMRAWP and agreed by mineral planning authorities. This was passed to the Regional Planning Body in October 2003 and was approved on 5th December 2003.
- 3.2 The new guidelines state that an estimated 359mt of aggregate materials will need to be provided for in the West Midlands Region during the period 2001–2016. The guidelines assume that 88mt will be provided from alternative aggregate sources and 16mt will be imported from Wales. Thus the West Midlands will need to provide for 255mt of primary aggregate. 162mt of this is anticipated to be sand and gravel and 93mt crushed rock. MPAs in the region are expected to make the necessary provision in their development plans.
- 3.3 For each area within the region, the proportional regional share (%) of production, based on the average of sales figures for 1999-2001, was calculated. Tables 1 and 3 below show the results of this calculation.

Sand & Gravel

Proportional Share (%) of Regional Sand & Gravel Production for Each County
(production figures in million tonnes)

	1999 Production	2000 Production	2001 Production	Average Production	Average %
Herefordshire	0.297	0.289	0.261	0.282	2.8
Worcestershire	0.887	0.839	0.836	0.854	8.5
Shropshire	0.808	0.742	0.857	0.802	8.0
Staffordshire	6.589	6.442	6.411	6.481	64.8
Warwickshire	1.017	1.043	1.031	1.030	10.3
W Midlands County	0.474	0.481	0.536	0.497	5
Regional Total	10.072	9.836	9.932	9.945	

- 3.5 It is assumed that sand and gravel provision will remain at similar levels throughout the 16 year period covered by the guidelines. The total figure for sand and gravel in the West Midlands Region (162mt) was therefore apportioned between the counties by multiplying this figure by each county's average proportional production and dividing the result by 16 years to produce an annual figure.

Annual Apportionment of Sand & Gravel

	Apportionment of Regional Guidelines	Annual Provision
Herefordshire	162mt x 2.8% ÷ 16	0.283 mt
Worcestershire	162mt x 8.6% ÷ 16	0.871 mt
Shropshire	162mt x 8.1% ÷ 16	0.820 mt
Staffordshire	162mt x 65.2% ÷ 16	6.602 mt
Warwickshire	162mt x 10.3% ÷ 16	1.043 mt
W. Midlands County	162mt x 5% ÷ 16	0.506 mt
Regional Total	10.125mt	

Crushed Rock

Proportional Share (%) of Regional Crushed Rock Production for Each County (production figures in million tonnes)

Crushed Rock	1999 Production	2000 Production	2001 Production	Average Production	Average %
Herefordshire	#	#	#	0.42	7.3
Worcestershire	#	#	#	0.16	2.8
Shropshire	2.80	2.64	2.49	2.64	45.8
Staffordshire	1.48	1.33	1.33	1.38	24.0
Warwickshire	0.62	0.57	0.57	0.59	10.2
W. Midlands County	0.72	0.45	0.53	0.57	9.9
Regional Total	6.23	5.56	5.49	5.76	

denotes figures not shown for reasons of confidentiality

- 3.6 It is assumed that crushed rock provision will remain at similar levels throughout the 16 year period covered by the guidelines. The total figure for crushed rock in the West Midlands Region (93mt) was therefore apportioned between the counties by multiplying this figure by each county's average proportional production and dividing the result by 16 years to produce an annual figure.

Annual Apportionment of Crushed Rock

Crushed Rock	Apportionment of Regional Guidelines	Annual Provision
Herefordshire	93mt x 7.3% ÷ 16	0.424 mt
Worcestershire	93mt x 2.8% ÷ 16	0.163 mt
Shropshire	93mt x 45.8% ÷ 16	2.662 mt
Staffordshire	93mt x 24.2% ÷ 16	1.395 mt
Warwickshire	93mt x 10.2% ÷ 16	0.593 mt
W. Midlands County	93mt x 9.9% ÷ 16	0.575 mt
Regional Total	5.812mt	

3.7 However, the WMCA had an estimated crushed rock landbank at 1st January 2002 of between 3 and 4 years and this cannot be replaced. Therefore a further apportionment of the WMCA share has been agreed. Once production ceases, the 0.575mt share will be divided equally between Warwickshire and Shropshire, which are the only counties with availability of a similar rock type. A revised apportionment, to come into effect once production in the WMCA ceases in approximately 2 years, is set out in Table 5 below.

3.8 **Annual Apportionment of Crushed Rock After Production Ceases in West Midlands**

	Apportionment of Regional Guidelines	Annual Provision
Herefordshire	$93\text{mt} \times 7.3\% \div 16$	0.424 mt
Worcestershire	$93\text{mt} \times 2.8\% \div 16$	0.163 mt
Shropshire	$93\text{mt} \times 45.8\% \div 16 +$ 0.02875 mt	2.949 mt
Staffordshire	$93\text{mt} \times 24.2\% \div 16$	1.395 mt
Warwickshire	$93\text{mt} \times 10.2\% \div 16 +$ 0.2875 mt	0.88 mt
W. Midlands County	No apportionment	0
Regional Total		5.812mt

3.8 It is anticipated that once production figures are available for the 3 years following the cessation of production in the WMCA, a revision of the sub-regional apportionment for crushed rock will be agreed. This will reflect the true distribution of production rather than an assumed position.

4. SAND AND GRAVEL

4.1 Sand & Gravel Sales for Aggregate Purposes 2001-2004 (million tonnes)

	2001	2002	2003	2004 Estimated
Herefordshire & Worcester	1.097	~	~	
Herefordshire	0.261	0.236	0.254	.25
Worcestershire	0.836	0.833	0.890	.85
Shropshire	0.857	0.841	0.822	.84
Staffordshire	6.411	6.196	6.264	6.08
Warwickshire	1.031	0.854	0.827	.84
W. Midlands County	0.536	0.512	0.499	.52
Regional Total	9.932	9.472	9.556	8.8

~ no longer shown as a combined figure since the sub-regional apportionment now relates to the individual counties

4.2 Sand & Gravel Reserves 2000-2003 (million tonnes)

	31.12.01	31.12.02	31.12.03	31.12.04 Estimated
Herefordshire & Worcester	14.329	~	~	~
Herefordshire	4.854	4.671	5.95	5.7
Worcestershire	9.475	8.445	6.43	5.58
Shropshire	16.485	15.347	14.80	13.96
Staffordshire	96.37	101.466	92.58	93.8
Warwickshire	13.068	12.265	9.29	8.45
W. Midlands County	3.561	3.578	3.02	2.5
Regional Total	143.813	145.772	143.29	134.15

~ no longer shown as a combined figure since the sub-regional apportionment now relates to the individual counties.

4.3 Sand and Gravel Reserves 2004 and Landbanks 2002 to 2004

	Landbank at 31.12.02 (years)	Landbank at 31.12.03 (years)	Reserves At 31.12.04 (million tonnes)	Local Apportionment annum	Estimated Landbank at 31.12.04 (years)
Herefordshire	16.5	21.0	5.7	0.283	20.1
Worcestershire	9.7	7.38	5.58	0.871	6.4
Shropshire	18.7	18.01	13.96	0.820	17.2
Staffordshire	15.4	14.0	93.8	6.602	14.2
Warwickshire	11.8	8.91	8.45	1.043	8.1
W Midlands County	7.1	5.97	2.5	0.506	4.94

5. CRUSHED ROCK

5.1 Crushed Rock Sales for Aggregate Purposes 2000 – 2004 (*million tonnes*)

	2001	2002	2003	2004 Estimated
Hereford & Worcestershire	0.57	~	~	~
Hereford	#	0.50	0.42	0.46
Worcestershire	#	©	©	©
Shropshire	2.49	2.51	2.46	2.47
Staffordshire	1.33	1.19	1.05	#
Warwickshire	0.57	0.45	0.70	0.66
W Midlands County	0.53	0.63	0.80	0.63
Regional Total	5.49	5.28	5.43	5.09

~ no longer shown as a combined figure since the sub-regional apportionment now relates to the individual counties.

denotes figure not shown for reasons of confidentiality

© denotes figure combined with Herefordshire for reasons of confidentiality

Crushed Rock Reserves 2001-2004

(*million tonnes*)

	31.12.01	31.12.02	31.12.03	31.12.04 Estimated
Hereford & Worcester	12.96x	-	-	-
Herefordshire	11.81x	17.28	16.96	16.5
Worcestershire	1.149	0.66	confidential	confidential
Shropshire	95.99x	93.57	87.40	84.93
Staffordshire	165.13	163.86	176.15	171.6
Warwickshire	33.09x	32.54	31.5	31.4
W.Midlands County	2.30	1.66	1.08	0.45
TOTAL	309.49	309.56	313.63	304.88

X denotes figure includes reassessment of reserves

E denotes estimate of reserves

Crushed Rock Landbank

	Landbank at 31.12.02 (years)	Landbank at 31.12.03 (Years)	Reserves at 31.12.04 (mt)	Annual Apportionment (mt)	Landbank at 31.12.04 (Years) Estimated
Herefordshire	40.8	40	16.5	0.424	38.9
Worcestershire*	4.0	3.31	confidential	0.163	confidential
Shropshire	35.15	32.83	84.93	2.662	31.9
Staffordshire	117.46	126.27	176.6	1.395	126.6
Warwickshire	54.9	53.12	31.4	0.593	52.95
W. Midlands County	2.9	1.89	.045	0.575	0.78

* Reserves for Worcester are classified as in 2003 only 1 crushed rock quarry was in operation.

6. REGIONAL EVENTS OF INTEREST

- 6.1 The information in this section has generally been supplied by the mineral planning authorities in the region. It is intended to provide a summary of events and developments in the region with implications for aggregate use which took place during 2003.

Housing Completions

- 6.2 To enable comparisons between aggregate consumption and house building, annual reports since 1998 have shown details of housing completions in the Region over the previous four years. Housing completions are calculated on the basis of financial years and therefore the latest available published figures are for the year 2002/2003. The Table below shows these, together with figures for the previous two financial years and gives an average figure of house completions.
- 6.3 Other information is set out under authority headings and details development that took place during 2002. Not all authorities have reported developments with implications for aggregate use.

Area (Unitary Authority/Strategic Authority)	Total Gross Completions 2002/2003	Total Gross Completions 2003/2004	RSS Annual Housing Provision to 2007	RSS Annual Housing Provision (2007-2011)	RSS Annual Housing Provision (2011-2021)
Birmingham	2,742	3,390	2,300	3,000	3,000
Dudley	523	448	600	700	975
Sandwell	899	1,173	900	900	975
Walsall	399	627	500	500	825
Wolverhampton	554	536	500	500	825
Coventry	879	591	650	650	830
Solihull	409	468	400	400	470
Warwickshire	2,509	2,639	2,000	1,500	1,350
Staffordshire	2,630	2,611	2,900	2,500	1,600
Stoke-on-Trent	492	800	600	600	600
Shropshire	1,089	1,039	1,300	900	900
Telford & Wrekin	598	896	1,330	1,330	700
Herefordshire	622	661	800	600	600
Worcestershire	1,989	2,196	1,900	1,200	1,000
West Midlands Region	16,334	18,075	16,680	15,280	14,650

Source: Regional Housing Land Availability Survey 2004/Table 1. Housing, RSS.

- 6.4 (amended from Provision of Housing in the West Midlands 2004, WMRA, May 2005)
Housing Completions when compared to the RSS show that Birmingham, Solihull, Stoke-on-Trent and most Major Urban Areas show are performing favourably or above the stated targets. Dudley is one exception but this may be the result of policy uncertainty which will be resolved by the Black Country Study. In Telford and the Wrekin, cumulative completions are considerably below there assumed provision for the period 2001-2004, however this is expected to be resolved when work by English Partnerships gets underway. Completions in Warwickshire are significantly ahead of the RSS figures and therefore it has been recognised that they need to be reduced.

- 6.5 The WMRA report on housing also identifies that there has been a substantial migration Coventry to Warwickshire, the Black Country to Staffordshire and Birmingham to Worcestershire. The RSS strategy is for housing completions to be concentrated in the Major Urban Areas from 2007 to 2021, as shown in the table. The current trend does not match the strategy but it is anticipated that it will take several years before the extent of the migration to the Shire Counties is halted and begins to reduce. Inter-regional migration which is mainly from the South East is also concentrated into the Shires and not the Major Urban Areas with Herefordshire being particularly affected.

7. DEVELOPMENT PLANS

- 7.1 The Planning & Compulsory Purchase Act 2004 requires Mineral and Waste Planning Authorities to prepare Mineral and Waste Development Frameworks (MWDF's) which are the replacement for the existing Local Plans. Some authorities will have separate frameworks for Minerals and Waste, others may produce a joint Framework. These new MWDF's comprise of various Mineral and Waste Development Documents (MWDD's) including a core strategy, site specific allocations and a statement of how the community will be involved in the plan process, (SCI). Each Mineral Planning Authority will have initially produced a Minerals Development Scheme which sets out the authorities current planning policies and explain to the local community what plans it proposes to include in its Minerals Framework Document and the timescale for their production.
- 7.2 This chapter updates the position within the region on the preparation and adoption of development plans containing minerals policies. This information provides the current status as of April 2006, rather than the status at the end of 2004.
- 7.3 All Shire County and former Shire County areas in the region are covered by adopted Minerals Local Plans. Plan reviews are programmed in most areas but the new procedures for Local Development Frameworks are having an impact on timetabling.
- 7.4 In the Metropolitan areas, most authorities are proposing secondary aggregates/recycling policies in the reviews of their Unitary Development Plans. Not all of these plans contain primary aggregate policies because they are not relevant in areas where aggregates are not present or are unlikely ever to be worked.

Development Plan Status for the Shire Counties (April 2006)

Shire Counties	Structure Plan Adopted	Minerals Plan Adopted	Minerals Development Framework Status/Timetable
Worcestershire	Worcestershire County Structure Plan 1996-2011. (Saved Until 2007)	The County of Hereford and Worcester Minerals Local Plan (April 1997) Saved Until Sept 2007	Minerals Core Strategy Evidence Gathering for Minerals Core Strategy and Hard Rock DPD commences in early 2007. Waste Core Strategy Submission to SoS in Dec 2006.
Shropshire	Shropshire and Telford & Wrekin Structure Plan 1996 – 2011 Adopted November 2002	April 2000 Saved Until Sept 2007	Sustainable Resources Management Core Strategy Preferred Issues and Options Publication - Feb 2006 Submission to SoS - Sept 2006 Proposed Adoption - Oct 2007 Mineral Resources DPD Preferred Issues and Options Publication - Feb 2006 Submission to SoS - Sept 2006 Proposed Adoption - Oct 2007
Staffordshire	May 2001 and amended 2002 (due to a High Court challenge)	December 1999 Saved Until Sept 2007	Mineral Core Strategy Minerals Site Allocations DPD - Please refer to Staffordshire.gov.uk for latest update due to recent amendments to the Minerals and Waste Development Scheme.

Shire Counties	Structure Plan Adopted	Minerals Plan Adopted	Minerals Development Framework Status/Timetetable
Warwickshire	August 2001	February 1995 Saved Until Sept 2007	<p>Minerals Core Strategy</p> <p>Pre Stakeholder and Community Engagement Feb 2006</p> <p>Consultation : Issues and Options July 2006</p> <p>Consultation : Preferred Options October 2006</p> <p>Submission to SoS April 2006</p> <p>Public Consultation on Core Strategy July 2007</p> <p>Examination January 2008</p> <p>Estimated date for adoption September 2008</p> <p>Minerals Allocations DPD</p> <p>Pre - Stakeholder and Community Engagement December 2007</p> <p>Consultation : Issues and Options March 2008</p> <p>((Estimated date for adoption)) May 2010</p>

Development Plan Status of the Unitary Authorities

Unitary Authority	Unitary Development Plan adopted	Development Framework Status	Aggregates Policies
Birmingham	July 1993	Public Consultation on revised draft, April 2005, adoption predicted for end 2005.	Modified UDP has polices of reuse of materials and waste policies acknowledge the need for all types of recycling facilities.
Coventry	December 2001	LDF Core Strategy Preferred Options (+SA) Sept 2006 Submission to SoS (+SA) June 2007 Examination Dec 2007 Adoption + Proposal Maps Sept 2008	No Waste Policy (EM.9) covers Secondary Minerals.
Dudley	Adopted Oct 2005	LDF Core Strategy Public Participation October 2006 Submission July 2007 Independent Exam April 2008 Adoption Dec 2009	Adopted UDP contains Polices on Primary and Secondary Minerals.
Herefordshire	Hereford and Worcester County Structure Plan (1986-2003) Adopted 1993 Herefordshire UDP – Est Adoption Spring 2007, will be saved for 3 years from adoption date.	LDF – Core Strategy Adoption Oct 2009 Minerals and Waste will be in separate LDD, timetable to be approved.	Minerals and Waste Separate Chapters and Polices within current and replacement UDP.

Unitary Authority	Unitary Development Plan adopted	Development Framework Status	Aggregates Policies
Sandwell	Adopted 2004	<p>LDF Core Strategy</p> <p>Preferred Options Jan 2006</p> <p>Submission to SoS Sept 2007</p> <p>Consultation and SA Sept/Oct 2007</p> <p>Public Examination June 2008</p> <p>DPD Land Allocations</p> <p>Preparation Jan 2007</p> <p>Issues/Options/SA Jan 2007/2008</p> <p>Submission to SoS Nov 2008</p> <p>Public Examination Oct 2009</p> <p>Adoption of Maps May 2010</p>	<p>UDP</p> <p>Polices on Minerals</p> <p>C&DW included within Waste Policy</p>
Stoke-on-Trent	<p>Structure Plan Adopted 2001</p> <p>Minerals Local Plan - Staffordshire and Stoke on Trent – (1994 – 2006)</p> <p>Waste Local Plan – Staffordshire and Stoke on Trent (1998 – 2011)</p>	<p>LDF Core Strategy</p> <p>Adopted March 2008</p> <p>Waste Site Allocations</p> <p>Commencement Jan 2007</p> <p>Pre Submission Stage April 2007</p> <p>Submission to SoS July 2008</p> <p>Examination Mar 2009</p> <p>Adoption Nov 2009</p>	<p>LDF Core Strategy includes section on Minerals and Waste (Secondary Minerals).</p>

Unitary Authority	Unitary Development Plan adopted	Development Framework Status	Aggregates Policies
Telford & Wrekin	<p>The Shropshire County Council and Borough of Telford & Wrekin Joint Structure Plan until 2011.</p> <p>Borough of Telford & Wrekin and Shropshire County Council Minerals Local Plan. 1996 – 2006</p>	<p>Minerals Polices & Proposals LDD</p> <p>Preferred Options Sept/Oct 2006</p> <p>Submission to SoS Sept/Oct 2007</p> <p>Proposed Adoption Nov 2008</p>	
Walsall	<p>Adopted March 2005</p>	<p>LDF Core Strategy</p> <p>Preferred Options Consultation Jan 2007</p> <p>Submission to SoS Dec 2007</p> <p>Examination June 2008</p> <p>Adoption Dec 2008</p>	<p>Minerals and Waste Chapters contained in current UDP.</p> <p>Waste separate DPD in Local Development Framework,</p> <p>Preferred Options Mar 2008</p> <p>Submission to SoS Dec 2008</p> <p>Examination June 2009</p> <p>Adoption Dec 2009</p>

Unitary Authority	Unitary Development Plan adopted	Development Framework Status	Aggregates Policies
Wolverhampton		<p>LDF Core Strategy</p> <p>Preferred Options Oct/Nov 2006 Submission to SoS Sept 2007 Formal Consultation Sept/Oct 2007 Examination May 2008 Adoption Dec 2008</p> <p>Site Allocations LDD</p> <p>Preparation April 2007 Preferred Options Oct/Nov 2007 Submission to SoS Sept 2008 Formal Consultation Sept/Oct 2008 Examination May 2009 Adoption Dec 2009</p>	<p>UDP</p> <p>Polices on Minerals/C&DW</p>

MEMBERSHIP OF THE WEST MIDLANDS REGIONAL AGGREGATES WORKING PARTY, NOVEMBER 2004

Chairman

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Technical Secretary

Jasbir Kaur Warwickshire County Council

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D Bridgwood City of Stoke-on Trent
N Dean Herefordshire Council
M Salim Sandwell Metropolitan Borough Council
M Bell Shropshire County Council
D Wigfield Solihull Metropolitan Borough Council
M Griffin Staffordshire County Council
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D Coleman National Federation of Demolition Contractors (NFDC) – Coleman & Company
N McLean NFDC - Armac D.E.L.
P Huxtable British Aggregates Association (BAA)
T Evans BAA - Montspur

Central Government Representatives

R Hilton Office of the Deputy Prime Minister (ODPM)
Ian Smith Government Office for the West Midlands (GOWM)
D Howatson GOWM / Department for the Environment, Food and Rural Affairs (DEFRA)

WORKING PARTY PUBLICATIONS

Stage 1 Report Re-Survey – November 1979	out of print
Regional Commentary Part 1 – July 1980	out of print
Regional Commentary Part 2 – July 1981	out of print
Regional Interpretation – 1982	out of print
Report of the 1985 Aggregates Monitoring Survey – May 1987	out of print
West Midlands Regional Commentary – June 1988	out of print
Implementation of MPG6 – Sub-Regional Apportionments – June 1990	out of print
Report of the 1989 Aggregates Monitoring Survey – November 1990	out of print
West Midlands Aggregates Working Party Regional Commentary – January 1992	out of print
First Annual Report 1990	out of print
Annual Report 1991	out of print
Aggregates Monitoring Survey 1993 West Midlands Regional Collation	out of print
Sub-Regional Apportionment, July 1995	out of print
Annual Report 1992	out of print
Annual Report 1993/4	out of print
Annual Report 1995	out of print
Annual Report 1996	(£10.00)
Annual Report 1997	(£10.00)
Annual Report 1998	(£10.00)
Annual Report 1999	(£12.50)
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APPENDIX 3

ACTIVE AND INACTIVE AGGREGATE MINERAL WORKINGS IN THE WEST MIDLANDS REGION – April 2006

The following list sets out active and inactive aggregate mineral workings in the region which contain permitted reserves. The site lists relate to the site's status in 2004 but details of the operating company relate to the situation at the time of report preparation (April 2006). Sites marked with an * are statutorily dormant under the terms of the Environment Act 1995.

Active Sand & Gravel Sites

Site Name	Operator	Grid Reference
Herefordshire		
Shobdon	Tarmac Western	SO 307 605
Wellington Quarry	Lafarge Aggregates	SO 507 378
Lugg Bridge	Cemex	SO 535 425
Staffordshire		
Newbold Quarry (Tucklesholme)	Aggregate Industries	SK 205 195
Leasowes Farm, Uttoxeter	Aggregate Industries	SK 097 351
Hurst Quarry	Biddulph Sands Ltd	SJ 389 359
Anglesey Sandpits	Blakemore.J	SK 058 068
Enville Road	Davis, F.G. & Sons	SO 872 898
Moneymore	Hanson Aggregates	SK133 026
Barton	Hanson Aggregates	SK 195 155
Freehay	Hanson Aggregates	SK 015 411
Middleton Hall	Hanson Aggregates	SP 202 995
Pottal Pool	Hanson Aggregates	SJ 973 147
Alrewas	Lafarge Aggregates	SK 175 125
Hopwas	Cemex	SK 165 050
Rugeley	Cemex	SK 010 181
Weeford	Cemex	SK 133 026
Moneystone	WBB Minerals	SK 041 462
Hints	Tarmac Central	SK 163 462
Croxden	Tarmac Central	SK 033 417
Seisdon	Tarmac Central	SO 700 950
Shire Oak	Tarmac Central	SK 063 042
Cranebrook Quarry	Walsall Concrete	SK 070 064
Upper Whittimere	Ariort	SO 833 925
Trentham	Hanson Aggregates	SJ 750 380

Site Name	Operator	Grid Reference
Shropshire Wood Lane Quarry Norton Farm Bromfield Quarry Buildwas Quarry Tern Hill Quarry Gonsai Quarry Brigwalton Quarry	Tudor Griffiths Hanson Aggregates Plymouth Estates Harry Price Sand and Gravel Cemex Salop Sand & Gravel Salop Sand & Gravel	SJ 422 328 SJ 497 075 SO 481 773 SJ 647 041 SJ 656 302 SJ 484 044 SO 689 920
Warwickshire Brinklow Quarry Ling Hall Quarry Middleton Hall Blyth Hall (Coleshill) Marsh Farm Bubbenhall Quarry	Mrs J Aston Ennstone Breedon Hanson Aggregates Cemex Cemex Smiths Concrete	SP 422 787 SP 450 730 SP 193 973 SP201 897 SP 075 525 SP 363 713
West Midlands County Branton Hill Lane Quarry Aldridge Quarry Berkswell Quarry Meriden Quarry	Bliss Sand & Gravel Co. Cemex Cemex Tarmac Central	SK 065 003 SK 067 026 SP 228 807 SP 232 813
Worcestershire Lower Moor Wildmoor Quarry Blackstone Quarry Saxons Lode Sandy Lane Ball Mill Clifton Chadwich Lane Quarry Lickhill quarry Chadwich Mill Farm (Pinches)	Avon Gravels John Williams (Cinetic Sand) Hills (West Midlands) Cemex Stanley N Evans Tarmac Western Tarmac Western Salop Sand & Gravel Supply Co. Hills (West Midlands) Brian Hill Haulage & Plant Hire	SO 980 465 SO 950 759 SO 801 735 SO 867 393 SO 950 763 SO 834 610 SO 848 456 SO 957 770 SO 792 729 SO 967 755
Active Crushed Rock Sites		
Herefordshire Smiths Quarry, Perton Leinthall Quarry	Elliot and Sons Johnston Roadstone	SO 595 399 SO 443 684
Staffordshire Cauldon Low	Tarmac Central	SK 084 474

Site Name	Operator	Grid Reference
Shropshire (T&W) <i>(including Telford & Wrekin)</i> Lea Quarry Haughmond Hill Quarry Coates Quarry Clee Hill Quarry Leaton Quarry (T & W) Llynclys Quarry Bayston Hill Quarry Grinshill Quarry	Aggregate Industries Aggregate Industries Aggregate Industries Hanson Aggregates Ennstone-Johnston Lafarge Aggregates Tarmac Western Grinshill Stone Quarries	SO 590 980 SJ 542 148 SO 602 994 SO 599 762 SJ 618 113 SJ 264 242 SJ 493 091 SJ 475 232
Warwickshire Griff No 4 Hornton Quarry Mancetter	Midland Quarry Products Hornton Quarries Tarmac Central	SP 369 886 SP 373 470 SP 310 952
West Midlands County Edwin Richards Quarry	Midland Quarry Products	SO 967 884
Worcestershire Broadway	Smith & Son (Bletchington)	SP 118 368
Inactive Sand & Gravel Sites		
Herefordshire Moreton Camp St Donats Quarry Upper Lyde Gravel Pit	Tarmac Western Lafarge Aggregate Hussar Minerals	SO 503 473 SO 489 467 SO 493 448
Staffordshire Saredon Quarry Poolhouse Road Shoal Hill, Huntingdon Manor Park Elford Hilton Park Wetmore Hall Farm Hinksford Lane Four Ashes Weavers Hill Whittington Hall Lane	Biffa Waste Services CWI Trustees Inglewood Investments Hanson Aggregates Hanson Aggregates Hanson Aggregates Hanson Aggregates Mr & Mrs Munday Salop Sand & Gravel Co. Salop Sand & Gravel Co.	SJ 944 080 SO 853 927 SJ 970 120 SK 144 172 SK177 113 SJ 952 045 SK 264 263 SO 866 904 SJ 927 097 SJ 794 203 SO 870 820

Site Name	Operator	Grid Reference
Shropshire Sleap Quarry Cound Quarry Morville Quarry Conyburg Wood Quarry	Hanson Aggregates Hanson Aggregates Lafarge Aggregates Hanson Aggregates	SJ 480 265 SJ 550 060 SO 685 936 SJ 675 274
Warwickshire High Cross Dunton Quarry	Cemex KSD	SP 465 887 SP 188 933
Worcestershire Ripple Quarry Ryall House Farm Quarry Shepley Lickhill quarry	Cemex Cemex Cemex Hills (West Midlands)	SO 792 728 SO 866 400 SO 983 731 SO 792 729
Inactive Crushed Rock Sites		
Herefordshire Nash Quarry	Tarmac Western	SO 302 623
Staffordshire Kevin Wardlow / Wredon	Tarmac Central Tarmac Central	SK 086 465 SK 087 572
Shropshire <i>(including Telford & Wrekin)</i> Farley Callow More Quarry* Blodwell Quarry Nantmawr Quarry*	“non-mineral owner” Tarmac Western Tarmac Western Hanson Aggregates Hanson Aggregates	SJ 629 017 SJ 387 050 SO 325 933 SJ 257 229 SJ 253 242
Warwickshire Jees/Boons Quarry Griff No 5 Quarry	Midland Quarry Products Hanson Aggregates	SP 333 940 SP 367 886

APPENDIX 4

ACTIVE RECYCLING AND SECONDARY AGGREGATE SITES IN THE WEST MIDLANDS

Following the successful introduction of lists of active and inactive quarries in the region, a list of permitted active aggregate recycling facilities is included for the first time. Whilst the list includes all reported sites it may not be complete.

Site Name	Operator	Grid Reference
Herefordshire Wellington Quarry Leinthall Earls Quarry	Lafarge Aggregates Johnstone Roadstone	SO 507 378 SO 443 684
Staffordshire Alrewas Quarry Former Carless Refinery Barleyfields Booths Farm Enville Road Future Waste & Reclamation Goldings Hanson Pipes, Smestow Bridge High Carr Hollybush Garden Centre Meece Recycling & Transfer Facility Orchard Farm Poplars Landfill Weeford Quarry Rugeley Power Station Saredon	Lafarge Aggregates Ltd Mr Talbot J Taberner Plan Hire Fallows Landfill F G David & Son Future Waste & Reclamation G D Golding Waste Transfer Station, Hanson Concrete Products Cherry Hill Skip Hire Jack Moody JDM Accord Tom's Skips Biffa Waste Services Cemex Rugeley Power Ltd Biffa Waste Services	SK 185 155 SJ 851 504 SK 191 244 SK 008 452 SO 873 898 SJ 852 501 SK 234 224 SO 853 930 SJ 837 510 SJ 965 064 SJ 852 343 SK 147 112 SJ 992 092 SK 139 026 SK 063 172 SJ 944 080
Stoke-on-Trent Cockshute Sidings Newstead Landfill & MRF	Construction Materials Recycling Biffa Waste Services	Shelton New Road
Shropshire (T&W) (including Telford & Wrekin) Wood Lane Quarry Former Dorrington Quarry Buildwas Quarry Ironbridge Power Station Loosemores Transport Pink Skips (Telford) Shropshire Recycling Services Peter Griffiths	Tudor Griffiths H Evason H Price EON UK Plc Loosemores Pink Skips Ltd Shropshire Recycling Services Peter Griffiths	Wood Lane, Ellesmere Dorrington Buildwas Road, Ironbridge Ironbridge, Telford Battlefield, Shrewsbury Rock Road, Telford Stourbridge Road, Bridgnorth Lowe Farm, Wem

Site Name	Operator	Grid Reference
Warwickshire Dunton Quarry Ryton Mill Tipping Resources Hammond Recycling Crown Waste. Middleton Hall Quarry	KSD Tipping Resources (Coventry) Tipping Resources (Coventry) Hammonds Crown Waste Services Hanson Aggregates	SP 188 933 SP 374 752 Whitacre Road, Nuneaton Bayton Rd,Nuneaton Pool Road, Nuneaton SP 198 983
Worcestershire Ball Mill Quarry, Grimley	Tarmac Western	SO 833 605
West Midlands County Area Meriden Quarry Cornets End Shady Lane, Great Barr Station Road, Stechford Tarmac Recycling Services Bordesley Green Bordesley Green Bescot Junction Glenside Recycling Bescot Sidings Tarmac Recycling Services Ettingshall Stichacre Ltd	Coleman & Co Coleman & Co Coleman & Co Coleman & Co Tarmac Recycling Services Armac DEL DSM Demolition Glenside Recycling Midland Quarry Products Tarmac Recycling Services Stitchacre Ltd	SP 232 813 Cornets End Lane. Meriden, Solihull. Birmingham, B44 9ER Birmingham, B33 9AX 253 Bordesley Green Road, Birmingham 251-253 Bordesley Green Road, Birmingham Bescot junction, Walsall Vittoria Street, Smethwick SO 010 957 Spring Road, Ettingshall Northcott Road, Bilston

APPENDIX 5

SAND AND GRAVEL APPLICATIONS 2004

Staffordshire

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Hopwas Quarry	SK 165 050	Extension	.95mt	No	Pending	Woodland/amenity	Application on hold pending determination of joint application for Hints and Hopwas.
Barton Quarry	SK 195 155	Extension	3.73 mt	No	Pending Awaiting S106	Water based recreation, nature conservation & agriculture	Need Noise Visual Impact Traffic Dust archaeology.
Hints	SK 163 039	Extension	1.02mt	No	Pending	Agriculture, woodland, and grassland	Extraction of mineral and integrated restoration scheme(in abeyance pending determination of joint application and working adjacent quarries.
Rugeley Quarry	SK 400 381	Extension	2.0 mt	No	Pending Awaiting legal agreement	Heathland, woodland, grassland.	Need, ecology, hydrology, traffic, AONB, Green Belt
Hints Quarry	SK 160 040	Extension	0.23 mt	No	Granted 10/08/04	Woodland	Extraction of approx .23mt S&G to be revoked once consolidating pp issued.
Newbold Quarry	SK 205 210	Extension	3.8 mt	No	Granted 01/04/04	Nature conservation Agriculture Forestry	Extension and comprehensive consent including infilling. Area of site reduced during negotiations – impact on Tatenhill. Also issues of Biodiversity, loss agriculture.

Staffordshire (continued)

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Hints/Hopwas	SK 160 040	Consolidation	5.77 mt	No	Pending S106 agreement. Will supersede earlier permissions	Agriculture, heathland and woodland restoration	Need, Visual amenity, Improved Consolidating application, Green Belt Water protection
Croxden	SK 034 414	(Bagging Plant)		No	Resolved to Permit pending S106		Traffic

Herefordshire

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Moreton Depot	SO503 473	New Site	2.0 mt	Yes submitted 11.02.03	Pending	Lakes, Wetland and Nature Conservation	Effect on River Lugg hydrology, SSSI/SAC Access to trunk roads, restoration.

West Midlands (Solihull)

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Berkswell Quarry (Park Farm)	SP 228 807	Extension to existing site	3.23	Yes. Application received 08.07.03	Granted Pending S106 relating to management of the hydrology and SSSI.	Agriculture, woodland and ecology	Proximity to SSSI, Hydrogeology and Ecology.

Worcestershire

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Clifton Quarry	SO 848 456	Extension	1.2 (mt)	No	Pending	Agriculture, grassland, woodland	Impact on floodplain, SSSI and ProW's.

Shropshire

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Gonsal Quarry	SJ 484 044	Extension	2.0 (mt)	No	Pending, awaiting S106	Agriculture/Amenity/ Water Environmental Impact	Access
Wood Lane Quarry	SJ 422 328	Deepening	1.5 (mt)	Yes	Pending	Agriculture/Amenity/ Water	Nature Conservation and Habitats
Barnsley Lane	SO 762 928	New Site	1.5 (mt)	Phase 2 Allocation (MLP)	Pending, awaiting legal agreement	Agriculture, woodland/grassland/heath land.	Green Belt, cumulative impact, highways, local amenity, hydrology.

APPENDIX 6

CRUSHED ROCK APPLICATIONS 2004

Staffordshire

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Croxden Cement Works	SK 08 48	DOLOMITE	Extension.	No, application 05.05.04	Awaiting Decision		

Warwickshire

Location	Grid ref.	Type of site	Tonnage (tonnes)	Allocated in Plan?	Status at 31.12.04	Restoration	Main Planning Issues
Mancetter Quarry, Tarmac	430700.295300	Granodiorite, Roadstone 3 applications for Variation of several Conditions relating to hours of operation.	-	-	Refused and Appealed	-	1 Application Passed through Appeal relating to Weekend Working for 25 times a year for a trial 2 years.
Griff Quarry		Amend Condition on final approved Landform	1.0 mt		Granted	-	Variation allows full exploitation of all available reserves and avoid sterilisation.

APPENDIX 7

RECYCLED AGGREGATE APPLICATIONS 2004

Staffordshire

Location	Grid ref.	Type of site	Annual Capacity (tonnes)	Submitted	Status at 31.12.04	Restoration	Main Planning Issues
Barleyfields, Staffordshire	SK 419 324	Waste Transfer Station and Crusher	30,000	4.6.99	Approved subject to Awaiting S106 on road improvements	N/a	Visual Impact Noise Dust Odour Access Traffic
Cheslyn Hay Staffordshire	SJ S397 307	Aggregate recycling facility	25,000	17.3.00	Pending, awaiting S106	N/a	Visual amenity Traffic Noise Dust Odour
Chemical lane, Staffordshire (2 applies)	SJ 850 500	Storage & Recycling facility	100,000	20.04.02 & 21.10.02	Pending S106 (Routing Agreement)	N/a	Storage capacity Dust Traffic
Newbold Quarry	Sk 20 20	Recycling Facility and Bagging Plant	150,000	02.06.03	Pending		Traffic. Use of Land for the production of Secondary and bagged aggregates.
Poplars Landfill	SJ 999 093	Recycling Facility	40,000	17.10.03	Pending		Visual/Greenbelt.
Mill Farm	SJ 85 29	Recycling Facility		28.06.04	Refused		Retention of crushing facility, part retro.
Badnetts Farm	SJ 17 04	Recycling Facility		09.12.04	Awaiting Decision		
Orchard Farm	SK 14 11	Recycling Facility	5,000	30.06.04	Awaiting Decision		Rural Location/Visual
Land Adj No.5 Wolverhampton Rd.	SJ 96 06	Recycling Facility		18.03.04	Awaiting Decision		
Land off Power Station Road	SK 051 182	Waste Transfer and Reclamation Facility	-	21.01.02	Pending	N/a	Storage and crushing of construction waste.

Warwickshire

Location	Grid ref.	Type of Site	Tonnage (tonnes)	Date submitted	Status at 31.12.03	Restoration	Main Planning Issues
Hammond Recycling	435785.285 930	Skip Hire and C&DW handling	-	15/04/2004	Granted		Expansion to existing operation. New Building and Plant Equipment
Midland Waste Services	434675. 292275	Skip Hire and C&DW handling		26/04/2004	Granted		Expansion to existing operation. New Building and Plant Equipment
Crown Waste Services	434680.393 130	Non Hazardous Waste Recycling, Storage and Transfer Station		21/05/2004	Granted		New Skip Hire Site with associated processing and transfer operations.
Newdigate Colliery	433300.287 200	Inert Recycling Facility		22/07/2004	Refused		Problems with poor access and application against to policy.