

South Gloucestershire Core Strategy

Sub-Regional Apportionment of Aggregates

Technical Note

March 2011

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Introduction

1. Within the West of England primary aggregate, in the form of crushed rock, is worked from quarries in South Gloucestershire and North Somerset. There is no sand and gravel resource within the sub-region.
2. For around 10 years there has been agreement, through Policy 26 of the **Joint Replacement Structure Plan**, that South Gloucestershire and North Somerset Councils would make provision for the West of England guideline figure for crushed rock on a 60:40 pro rata basis, with South Gloucestershire providing for 60% and North Somerset for 40%. This sub-division of the West of England figure was based on annual sales over several years in the mid 1990s.
3. With the introduction of the current planning system in 2004, provision for the sub-regional apportionment of aggregates is now a matter for Core Strategies to address. The purpose of this note, therefore, is to set out how the West of England figure has been sub-divided between the South Gloucestershire and North Somerset Core Strategies.

Sub-Regional Apportionment

4. The latest guidelines on aggregate provision are the **National and Regional Guidelines for Aggregate Provision in England 2005-2020**. These guidelines provide a national forecast of aggregates demand apportioned down to the regional level over a 16 year period. The forecast is based on the relationship between past production and past economic growth, but taking into account changing practices in the construction sector towards a less intensive use of primary aggregates. The forecast is lower than for the previous guideline period of 2001 – 2016 due to the overall decline that has occurred in recent years in the consumption of crushed rock and the increase in the use of alternatives to primary aggregates, principally construction and demolition waste.
5. The South West Regional Aggregates Working Party (SWRAWP) has put forward a sub-regional apportionment for the South West Region to DCLG, which mineral planning authorities have agreed to use. For the West of England, the sub-regional apportionment for crushed rock over the period 2005 – 2020 is 79.10 million tonnes (mt) .

Sub-dividing the West of England Apportionment

6. As previously, annual sales figures have been used to determine an appropriate sub-division, using published data from the SWRAWP annual reports, as shown in the table below. Commercial

confidentiality, however, prevents sub-division of the West of England figures in some years. Where this occurs, the notation 'n/a' is used in the table.

Crushed Rock production in the West of England 2001 - 2008

Year	West of England (mt)	South Gloucestershire (mt)	North Somerset (mt)	SGC : NSC Ratio
2001	5.55	3.08	2.47	55:45
2002	4.76	2.68	2.08	56:44
2003	4.57	2.82	1.75	62:38
2004	4.40	n/a	n/a	n/a
2005	4.08	2.35	1.73	58:42
2006	3.63	n/a	n/a	n/a
2007	4.06	n/a	n/a	n/a
2008 ¹	4.32	n/a	n/a	n/a

Source: SWRAWP Annual Reports

- On the basis of the ratios in the above table, both Councils consider that a continuation of the 60 : 40 split is appropriate. This is reflected in the Core Strategies of both authorities (Policy CS9 of the South Gloucestershire Core Strategy and Policy CS8 of the North Somerset Core Strategy)

Calculating South Gloucestershire's Apportionment 2008 - 2026

- The apportionment figure for South Gloucestershire of 58 million tonnes for 2008 – 2026 has been calculated, as set out in the table below, by taking 60% of the West of England figure for the period 2005 – 2020, extrapolating the annual average for this period and applying it to cover the period 2021 - 2026, and then discounting sales for 2005 – 2007.

	South Gloucestershire	
Apportionment 2005-2020	47.5mt	60% of West of England guideline (79.10mt x 60 /100)
Additional to maintain a supply to 2026	17.8mt	Annual average 2005 – 2020 multiplied by 6 years (47.5 / 16 x 6)
Total requirement 2005 - 2026	65.3mt	
Production 2005 - 2007	6.96mt	Assumes sales = 60% of West of England sales for 2006 & 2007
Total requirement 2008- 2026	58.34 (58) mt	

¹ 2008 sales figure had not been published when Core Strategy Proposed Changes agreed by Council on 15/12/10