

**SOUTH WALES  
REGIONAL AGGREGATES  
WORKING PARTY**

**ANNUAL REPORT  
2004**

**This report contains statistics on aggregate sales in the calendar year 2004**

---

**The statistics and statements contained in this report are based on information from a large number of sources and are compiled to an appropriate level of accuracy and verification. Readers should use corroborative data before making major decisions based on this information.**

---

**Chairman**

**Martin Hooker M.A., MSc., M.R.T.P.I., M.C.I.T.  
Assistant Director Planning Services,  
Bridgend County Borough Council.**

**Secretary**

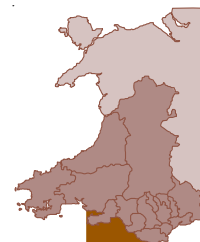
**Steve Bool Dip.T.P., M.R.T.P.I.  
Minerals Officer,  
Bridgend County Borough Council,  
P.O. Box 4, Civic Offices, Angel Street,  
Bridgend, CF31 4WB.**

**Tel: (01656) 643178**

**Fax: (01656) 643190**

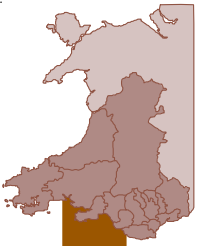
**E-mail: [boolsj@bridgend.gov.uk](mailto:boolsj@bridgend.gov.uk)**

**Website: [swrawp-wales.org.uk](http://swrawp-wales.org.uk)**



## South Wales Regional Aggregates Working Party - Annual Report 2004

<b>CONTENTS</b>		<b>Page No</b>
<b>Introduction</b>		
<b>South Wales Regional Aggregates Working Party</b> .....		<b>1</b>
<b>Crushed Rock</b> .....		<b>3</b>
<b>Sand and Gravel</b> .....		<b>6</b>
<b>Secondary Aggregates</b> .....		<b>7</b>
<b>Guidelines for Aggregates Provision in South Wales (Update)</b> .....		<b>8</b>
<b>Production of Aggregates in South Wales</b> .....		<b>9</b>
<b>Aggregates - Reserves</b> .....		<b>10</b>
<b>Events of Interest in South Wales in 2004</b> .....		<b>11</b>
<b>Development Plans (Update)</b> .....		<b>14</b>
<b>Appendix A:</b>		
<b>Sites Included in 2004 Aggregates Minerals Surveys</b> .....		<b>17</b>
<b>Appendix B:</b>		
<b>Members of South Wales R.A.W.P.</b> .....		<b>23</b>
<b>Appendix C:</b>		
<b>Reports Produced by South Wales R.A.W.P.</b> .....		<b>27</b>
<b>Appendix D:</b>		
<b>Terms of Reference used by South Wales R.A.W.P.</b> .....		<b>31</b>
<b>TABLES</b>		
<b>Table 1</b>	<b>Crushed Rock Sales by End Use 2004</b> .....	<b>3</b>
<b>Table 2</b>	<b>Crushed Rock Aggregate Sales and Reserves by MPA</b> .....	<b>3</b>
<b>Table 3</b>	<b>Sand and Gravel (Land Won) Total Production 2004</b> .....	<b>6</b>
<b>Table 4</b>	<b>Sand and Gravel (Land Won) by End Uses</b> .....	<b>6</b>
<b>Table 5</b>	<b>Port Statistics for Marine Dredged Aggregates 2004</b> .....	<b>6</b>
<b>Table 6</b>	<b>Secondary Aggregates Sales</b> .....	<b>7</b>
<b>Table 7</b>	<b>Production of Aggregates in South Wales</b> .....	<b>9</b>
<b>Table 8</b>	<b>Aggregates - Reserves: Active, Inactive and Dormant</b> .....	<b>10</b>
<b>Table 9</b>	<b>Monitoring of Planning Applications 2004</b> .....	<b>12</b>
<b>Table 10</b>	<b>Aggregate Sales 2000-2004</b> .....	<b>13</b>
<b>Table 11</b>	<b>Sites included in 2004 Aggregates Minerals Survey</b> .....	<b>18</b>
<b>MAPS</b>		
<b>Map 1</b>	<b>S.W.R.A.W.P. Mineral Planning Authorities</b> .....	<b>2</b>
<b>Map 2</b>	<b>Primary Aggregates Production Sites 2004 (excluding marine)</b> .....	<b>4</b>

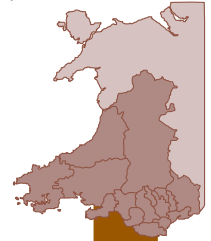


## 1. INTRODUCTION

**1.1.** This report has been prepared by the South Wales Regional Aggregate Working Party (SWRAWP) and gives the results of the Annual Survey for the calendar year of 2003 in the South Wales region. Each year, the SWRAWP co-ordinates the aggregate sales information received from all mineral operators via the eighteen mineral planning authorities which make up the South Wales region (see Appendix B). The work of the SWRAWP has been funded by the National Assembly for Wales since the month of April, 2002.

**1.2.** The collated information in this report is used as a major contribution to the ongoing study of supply and demand patterns, which provides a vital input to the monitoring and review of the Welsh Assembly Governments' supply and demand policy for aggregates which is enshrined in the Minerals Technical Advice Note (MTAN 1) relating to Aggregates and Minerals Planning Policy Wales. Such information is also useful to Mineral Planning Authorities in carrying out their statutory functions in respect of the preparation of unitary development plans and the determination of planning applications. The information is also made available to the general public and industry, the latter of which use it to plan new developments and investments.

**1.3.** The QPA, on behalf of its members, relaxed the longstanding three company confidentiality rule. The BAA have also followed suit but their membership is relatively small. This rule ensured that data would not be published if it related to less than three companies, unless the companies concerned had given written permission otherwise. Nonetheless, as non-QPA members are still protected by the old rule, it has still been necessary to amalgamate a large amount of data to maintain confidentiality. This is particularly so in relation to areas like Carmarthen, Ceredigion and Powys, where there are a significant number of small operators.



## **2. SOUTH WALES REGIONAL AGGREGATES WORKING PARTY**

**2.1.** The twelve Regional Aggregates Working Parties (RAWPs) in England and Wales provide information and advice to the Office of the Deputy Prime Minister and to the First Secretary of the Welsh Assembly Government in the supply of and the demand for, aggregate minerals. The National Co-ordinating Group (NCG) provides a national forum of discussion of work undertaken by the RAWPs.

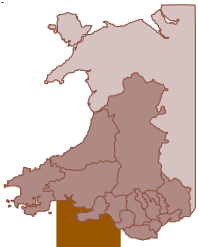
**2.2.** The South Wales Regional Aggregates Working Party is a technical working group with membership drawn from officers of the 18 Mineral Planning Authorities, representatives of the Quarry Products Association (QPA) which is the trade association of the aggregates industry, the British Aggregates Association (BAA), the construction/demolition industry, the ODPM and Welsh Assembly Government, the Crown Estate, the Farming and Rural Conservation Agency, British Steel, Environment Agency, CCW and the British Geological Survey. A list of current members is shown in Appendix B.

**2.3.** Two meetings of the South Wales RAWP were held in 2004, together with the first sub-group meeting to consider the Regional Technical Statement (RTS). Preliminary work has commenced on the RTS under a variation of contract with the Welsh Assembly Government. Since the completion of the IMAECA research on environmental capacity of geological resources in Wales, a provisional completion date for the RTS has now been set for the early part of 2007.

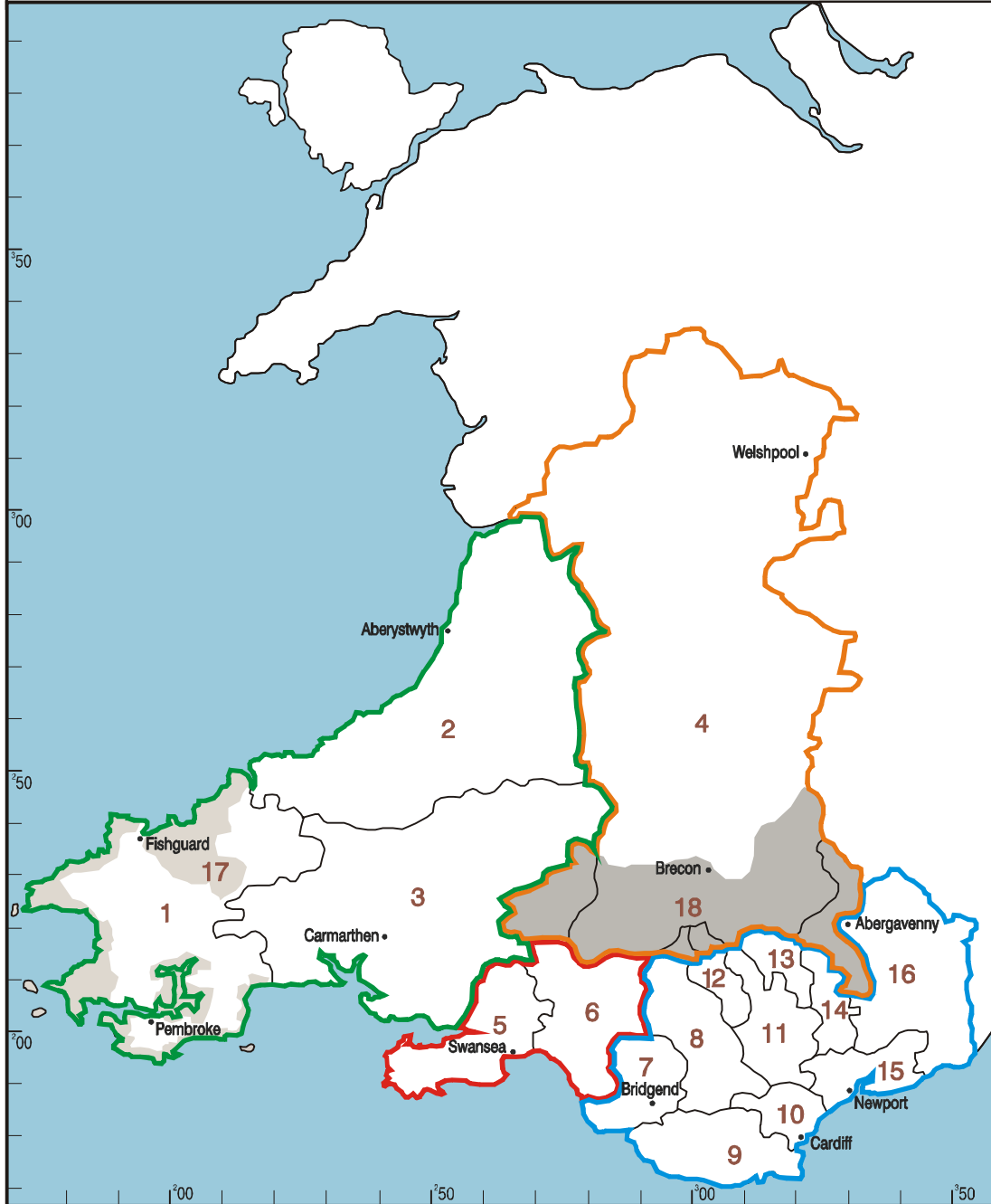
**2.4.** The Chairman/Secretary of SWRAWP attended a significant number of steering group meetings relating to the following research projects:-

- (i) Implementing the methodology for assessing the environmental capacity for primary aggregates (IMAECA);
- (ii) Construction, demolition and quarry waste survey 2003 undertaken by Smiths Gore using Aggregates Levy funding;
- (iii) Construction and demolition waste survey - Environmental Agency;
- (iv) Mineral site restoration.

The secretary has also maintained close liaison with the Welsh Environment Trust's new postholder responsible for a 4 year contract to promote the use and markets for construction and demolition waste in Wales. This post is funded by the Aggregates Levy fund.



**MAP 1**  
**S.W.R.A.W.P. Mineral Planning Authorities**



**Unitary Authorities**

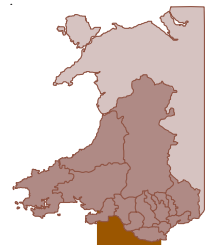
- |                       |                      |
|-----------------------|----------------------|
| 1. Pembrokeshire      | 9. Vale of Glamorgan |
| 2. Ceredigion         | 10. Cardiff          |
| 3. Carmarthenshire    | 11. Caerphilly       |
| 4. Powys              | 12. Merthyr Tydfil   |
| 5. Swansea            | 13. Blaenau Gwent    |
| 6. Neath-Port Talbot  | 14. Torfaen          |
| 7. Bridgend           | 15. Newport          |
| 8. Rhondda-Cynon-Taff | 16. Monmouthshire    |

**Old County Collation Boundaries**

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| — West Glamorgan                   | — Dyfed                           |
| — Powys (incl Brecon Beacons.N.P.) | — Mid & South Glamorgan and Gwent |

**17.** Pembrokeshire Coast National Park

**18.** Brecon Beacons N.P.



### 3. CRUSHED ROCK

3.1. The results of the 2004 survey are as follows:-

	Coated Roadstone	Uncoated Roadstone	Concrete Aggregate	Fill/Other Construction Aggregate	Rail Ballast	Total Aggregate <sup>1</sup>	Building Stone	Non Aggregates <sup>2</sup>
<b>Limestone</b>	0.46	1.23	2.17	2.53	} 0.20	7.30	0.02	1.13
<b>Sandstone</b>	1.75		} 0.57	} 1.35		3.20	} 0.07	} 0.03
<b>Igneous</b>	0.58					1.08		
<b>Total</b>	<b>2.05</b>	<b>1.96</b>	<b>2.74</b>	<b>3.88</b>	<b>0.20</b>	<b>11.58</b>	<b>0.09</b>	<b>1.16</b>

<sup>1</sup> Includes unknown end uses. <sup>2</sup> Includes Building Stone.

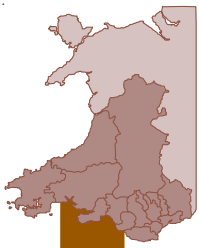
Figures may not balance exactly due to rounding off, and the lack of information regarding the breakdown of end-use.

Former County (approx.)	Mineral Planning Authority	Crushed Rock Sales 2002	Crushed Rock Sales 2003	Crushed Rock Sales 2004	Reserves at 31.12.04 <sup>1</sup>	Landbank of Reserves <sup>2</sup>
<b>Powys</b>	Brecon Beacons National Park	} 3.14	} 3.86	} 3.15	} 165.0	(years) 109
	Powys					
<b>Dyfed</b>	Carmarthenshire	} 1.39	} 2.23	} 2.77	114.00	} 163.80
	Ceredigion				9.00	
	Pembrokeshire County Council				15.00	
	Pembrokeshire Coast N.P.				9.20	
<b>West Glamorgan</b>	Neath-Port Talbot	}	}	}	}	}
	Swansea					
<b>Mid &amp; South Glamorgan And Gwent</b>	Blaenau Gwent	} 1.61	} 0.73	} 0.92	} 134.70	} <sup>3</sup>
	Merthyr Tydfil					
	Monmouthshire	} 5.13	} 5.07	} 5.87	} 246.30	
	Newport					
	Torfaen					
	Bridgend					
	Caerphilly	28.50	30			
	Cardiff	44.20	53			
R.C.T.	14.50	22				
Vale of Glamorgan	22.40 <sup>1</sup>	16				
<b>Total</b>		<b>9.60</b>	<b>11.16</b>	<b>11.58</b>	<b>575.10</b> <sup>1</sup>	

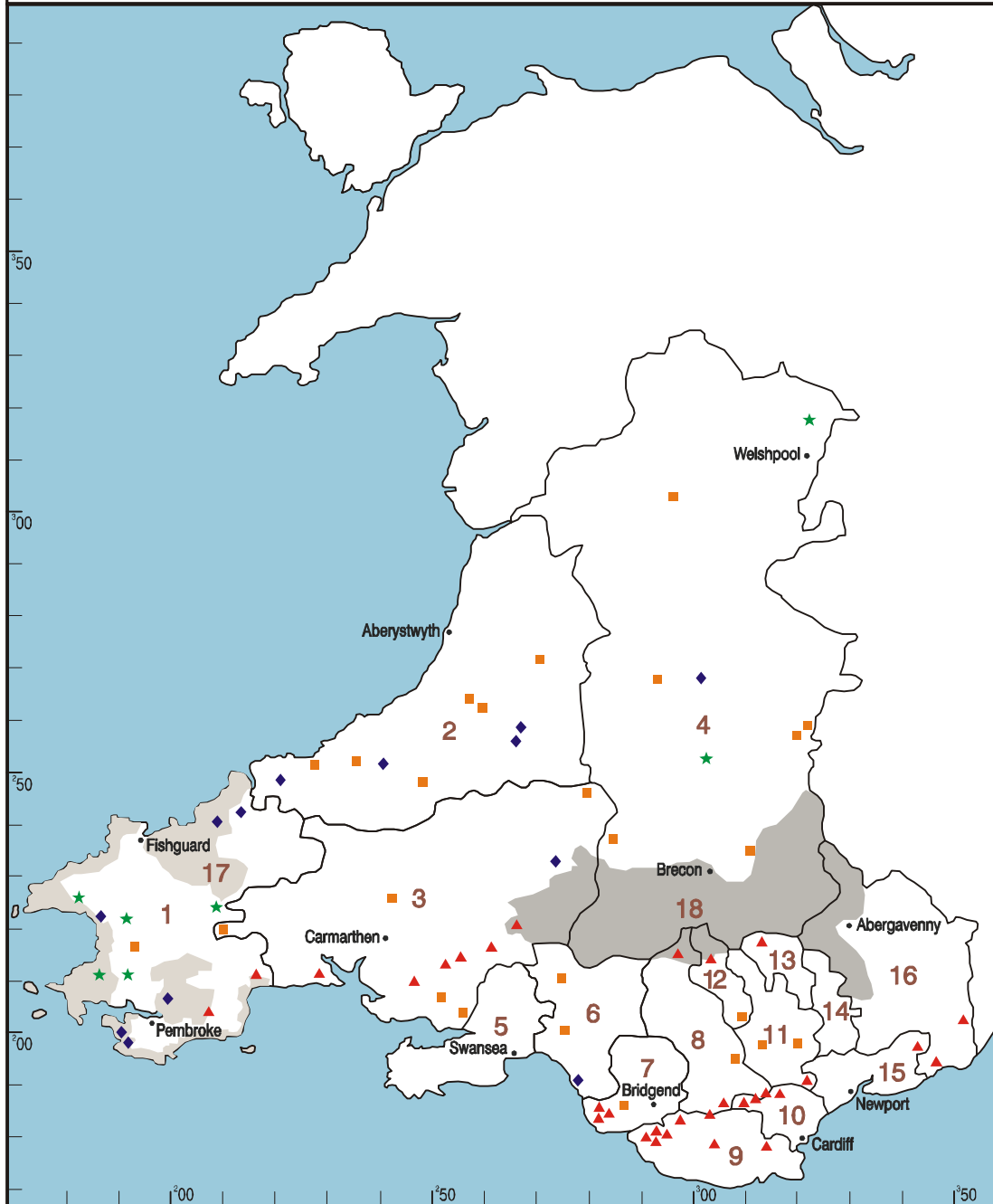
<sup>1</sup> The majority of non-aggregate reserves are located in the Vale of Glamorgan and these have been excluded from reserve figures. In other authorities, aggregate reserve figures may include some non-aggregate reserves. It is important to note that some non-aggregate reserves may contain aggregate reserves and vice versa.

<sup>2</sup> Crushed rock landbanks are determined using the average production figures over the last 3 years, 2002-2004 and dividing the reserves by the annual average production.

<sup>3</sup> Average reserve figures cannot be calculated as information is subject to confidentiality rules.



**MAP 2**  
**Primary Aggregates Production Sites - 2004 (excluding marine)**



**Unitary Authorities**

- |                       |                      |
|-----------------------|----------------------|
| 1. Pembrokeshire      | 9. Vale of Glamorgan |
| 2. Ceredigion         | 10. Cardiff          |
| 3. Carmarthenshire    | 11. Caerphilly       |
| 4. Powys              | 12. Merthyr Tydfil   |
| 5. Swansea            | 13. Blaenau Gwent    |
| 6. Neath-Port Talbot  | 14. Torfaen          |
| 7. Bridgend           | 15. Newport          |
| 8. Rhondda-Cynon-Taff | 16. Monmouthshire    |

**Primary Aggregates**

- |                               |                 |
|-------------------------------|-----------------|
| ▲ Limestone                   | ★ Igneous       |
| ■ Sandstone (including shale) | ◆ Sand & Gravel |

- |                                 |                         |
|---------------------------------|-------------------------|
| 17. Pembrokeshire National Park | 18. Brecon Beacons N.P. |
|---------------------------------|-------------------------|





### **LANDBANKS**

**3.2.** A landbank is a stock of planning permissions for the winning and working of minerals. The landbank figures have been calculated according to the method set out in MTAN 1 (Wales), except that no allowance has been made for the demand trend i.e. they have been calculated using the average of the last three years production. The permitted reserves are those estimated to be available for the production of aggregates. Where operators did not provide information on aggregate sales, best estimates have been made from the knowledge of mineral planning officers and any past returns.

**3.3.** Caution must be exercised in using these landbank figures. The landbank calculation does not take account of operational aspects which may restrict the availability of certain types of reserves. Also the reserves in many cases, have been estimated using limited sampling and testing information and the marketing conditions prevailing at the time and may be subject to revision.

**3.4.** A survey of inactive/dormant sites to ascertain the likelihood of reactivation has been carried out. A number of criteria were used to determine whether or not the sites may usefully be ignored for the purposes of defining an active landbank. The results indicate that there were 128 million tonnes of reserves in this category of which 47 million tonnes (37%) could be considered unlikely to reactivate. These results will be considered further as part of the RTS process.

**3.5.** It is important to note that reserves earmarked as being suitable for aggregates may also be suitable for non-aggregates. Many carboniferous limestone hard rock quarries produce significant amounts of rock suitable for both uses and these may change with market demand. Whilst many quarries may have less than 10% non-aggregates, some may have up to 50%.

### **CRUSHED ROCK SALES**

**3.6.** Sales of crushed rock have increased by approximately 600,000 tonnes (5%) across all rock types. This degree of increase is consistent with 2002/2003 results. Limestone rates increased by 800,000 tonnes (13%); Sandstone decreased by 500,000 tonnes (13%) and igneous increased by 130,000 tonnes (4%).

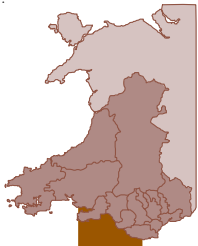
### **SAND AND GRAVEL BY END USES (LAND-WON)**

**3.7.** Unfortunately, due to very poor responses the information available is too limited and unreliable to provide a breakdown by end use.

**3.8.** It should be noted that the main sources of land won sand and gravel are in West Wales with the main sources being Ceredigion, Pembrokeshire (including the Pembrokeshire Coast National Park), and Neath.

### **MARINE SAND AND GRAVEL**

**3.9.** A comparison of the statistics for 2003/2004 indicate an 8.5% increase in the tonnage of sand and gravel landed in 2004. The total tonnage landed at the eight ports (excluding landings in Monmouth) was 1,071,344 tonnes in 2004, compared with 981,061 tonnes in 2003. This corresponds to a 9% (90,283) increase in 2004. Other notable changes occurred at Pembroke + 30%, and Swansea + 24%.



## 4. SAND AND GRAVEL

4.1. The results of the 2004 survey are as follows:-

<b>Table 3</b>			
<b>Sand and Gravel (Land Won) Total Production (million tonnes ) 2004</b>			
Former County (approx.)	Mineral Planning Authority	Land Won Aggregates	Reserves
<b>Dyfed</b>	Carmarthenshire County Council	0.25	9.87
	Ceredigion C. C.		
	Pembrokeshire County Council		
	Pembrokeshire Coast National Park		
<b>West Glamorgan</b>	Neath-Port Talbot County Borough Council	0.15	0.61*
<b>Powys</b>	Powys County Council		
<b>Mid &amp; South Glamorgan And Gwent</b>	Bridgend County Borough Council		
<b>Total</b>		<b>0.40*</b>	<b>10.48*</b>

\* Estimated figures

<b>Table 4</b>	
<b>Sand and Gravel (Land Won) by End Uses (million tonnes) 2004</b>	
Building/Soft Sand for Coating for Asphalt and all Other Uses	---
Concreting/Sharp Sand	---
Gravel - Concrete Aggregates, Other Uses	---
As Raised Material for Constructional Fill/Unknown	---
<b>Total</b>	<b>0.40</b>

\* Figures not available

<b>Table 5</b>		<b>(Source: Crown Estate: Summary of Statistics 2004)</b>	
<b>Port Statistics For Marine Dredged Aggregates 2004</b>			
Mineral Planning Authority	Landing Port	2003 Tonnages	2004 Tonnages
Vale of Glamorgan Council	Barry	20,581	14,689
Neath-Port Talbot County Borough C.	Briton Ferry/Port Talbot	181,755	248,974
Carmarthenshire County Council	Burry Port	67,029	113,163
Cardiff Council	Cardiff Docks	275,947	292,910
Pembrokeshire County Council	Pembroke Docks	34,206	44,509
Newport County Borough Council	Newport	264,217	253,508
Monmouthshire	Newport/Chepstow	1	1
Swansea City County Council	Swansea	137,326	103,591
<b>Total</b>		<b>981,061</b>	<b>1,071,344</b>

1 No statistics as not within Crown Estate area.



## 5. SECONDARY AGGREGATES

**Table 6**  
**Secondary Aggregate Sales (million tonnes) 2004**

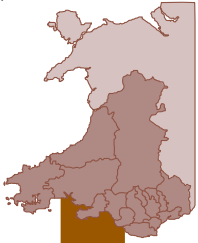
Mineral Planning Authority	Type	Roadstone Coated/ Uncoated Concrete Aggregate, Artificial Aggregate	Other Construction Uses	Total	Reserves at 31.12.03 <sup>1</sup>
Newport Neath-Port Talbot Cardiff	Steel/Blast Furnace Slag	0.08	0.62	0.70	26.2
Vale of Glamorgan	PFA/FBA				
Pembrokeshire County	Slate Waste				

<sup>1</sup> Reserve figures do not include all waste materials or industrial by-products suitable and available for aggregate uses in 2004 but only statistics on the reserves of material saleable as aggregates in stockpiles and waste tips with planning permission for extraction.

**5.1.** As in previous years, data has been requested from the fifteen local highway authorities throughout SouthWales on the arisings/recycling of road planings. Estimates of road planings were received from 12 of the 15 authorities representing an 80% response rate. 82,648 tonnes of arisings were recorded of which 76,175 tonnes (92%) was recycled. Most of the uses of the recycled material was for low grade end-use such as improvements to rural roads, lanes, cycle tracks, kerb edging and footpaths. As usual, caution should be exercised in the use of these statistics as many are based on estimates but they do indicate a strong recycling trend.

**5.2.** The amount landfilled was estimated at 6,281 tonnes and the amount in stockpiles 4,742 tonnes. These figures are broadly comparable with returns in previous years but the non-response of only one authority can affect the balance of the total estimates.

**5.3.** Efforts are being made with the assistance of staff in the Welsh Environment Trust, to promote greater use of road planings for higher end-use. It is acknowledged that some of the main quarry companies are already re-using road planings in highway projects but there is still potential for greater use.



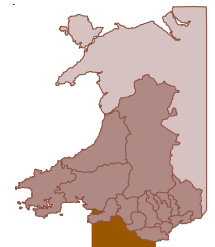
## **6. GUIDELINES FOR AGGREGATES PROVISION IN SOUTH WALES (UPDATE)**

**6.1.** Work commenced on the Regional Technical Statement (RTS) in 2005 with a view to achieving a more sustainable regional mineral planning approach to the supply of aggregates in South Wales. At present, the process has reached the draft stage and a methodology is being finalised. An RTS sub-committee has been set up to help progress the work and an elected member forum considers progress at key stages. It is anticipated the RTS will be completed in the early part of 2007. RTS documents may be viewed on the SWRAWP website: [swrawp-wales.org.uk](http://swrawp-wales.org.uk)

**6.2.** A number of research projects have been implemented to feed into the development of the mineral policy/guidance framework. These are as follows:-

- (i) Crushed Rock Sand: A reconnaissance survey (2000);
- (ii) South Wales Sands and Gravel: Appraisal of land based extraction in SE Wales (September 2000);
- (iii) Bristol Channel Marine Aggregates Dredging Policy (MADP) May 2001;
- (iv) Comparative Impact Assessment of Land and Marine Sand and Gravel in SE Wales (2001), [Symonds];
- (v) Establishing a methodology for appraising aggregates demand and supply (EMAADS) (2003), [Ore Arup];
- (vi) Improving the information base on secondary minerals/construction and demolition waste for use as aggregates in Wales [Smiths Gore].

**6.3.** Since the Strategic Planning Guidance for South East Wales (Vol. 2) was issued by the SE Wales Strategic Planning Group in July 2001, there have been no further publications. Regular meetings are held to discuss regional issues such as the Wales Spatial Plan.



## 7. PRODUCTION OF AGGREGATES IN SOUTH WALES

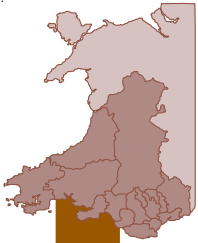
7.1. Table 7 illustrates the tonnages of aggregates produced in South Wales in the calendar year 2004. The total volume of crushed rock has increased by 600,000 (5%) which continues the increase in the previous years 2002/2003. Limestone tonnages have increased by 13%, sandstone has decreased by 13% and igneous has increased by 4%.

Type	2000	2001	2002	2003	2004	
<b>Limestone</b>	6.90	6.53	5.76	6.46	7.30	
<b>Sandstone</b>	2.42	2.64	3.14	3.71	3.20	
<b>Igneous</b>	0.48	0.83	0.64	0.95	1.08	
<b>Total Crushed Rock</b>	9.82	10.00	9.54	11.12	11.58	
<b>Sand &amp; Gravel</b>	<b>Land Won</b>	0.16	0.34	0.19	0.19	0.40*
	<b>Marine</b>	1.06 <b>1</b>	1.02 <b>1</b>	0.97 <b>1</b>	0.98 <b>1</b>	1.07 <b>1</b>

**1** Crown Estate-Summary of Statistics. \* Estimate.

7.2. Land won sand and gravel does not contribute a significant volume to construction in the region of South Wales, but is important locally in the rural area of West Wales. Production has remained fairly constant compared with 2003. As the figures for the region as a whole are relatively small a one-off project such as a highway widening scheme may explain the significant variation in figures from one year to the other.

7.3. Marine-won sand and gravel continues to provide a very important contribution to aggregate sales/production. Overall, tonnages produced have remained fairly consistent over the last 5 years with 1,071,344 tonnes being dredged in 2004. This represents an 8% increase in landings. Approximately 90% of all sand and gravel used in the South Wales construction industry is sourced from the Bristol Channel.



## 8. AGGREGATES - RESERVES

<b>Table 8</b> <b>Aggregate Reserves: Active, Inactive and Dormant (million tonnes) 2003</b> (no 2004 figures available)				
MPA	Active	Inactive	Dormant	Total
Brecon Beacons NP	110.75	43.60		
Blaenau Gwent				
Carmarthenshire	72.91	49.69	45.50	322.45
Ceredigion				
Pembrokeshire CC				
Pembrokeshire NP				
Neath - Port Talbot				
Swansea				
Blaenau Gwent	111.98	37.87	25.80	279.51
Merthyr				
Monmouthshire				
Newport				
Torfaen				
Bridgend	103.86			
Caerphilly				
Cardiff				
Rhondda Cynon Taff				
Vale of Glamorgan				
<b>TOTAL</b>	<b>399.50</b>	<b>131.16</b>	<b>71.30</b>	<b>601.96</b>

**Note:** Some of these reserve figures include some non-aggregate reserves and estimated tonnages.

**8.1.** The figures shown in this table need to be used with some degree of caution, particularly the dormant sites, as rough estimates have had to be made where accurate assessments are unavailable. Nonetheless, the table does highlight the distribution of reserves throughout the area and the contribution that dormant site reserves make to the overall landbank.



## 9. EVENTS OF INTEREST IN SOUTH WALES IN 2003

### **Bridgend County Borough Council**

Substantial infrastructure works for the new Brocastle Industrial Estate south east of Bridgend generated significant demand for aggregates. This was sourced from the nearby Longlands quarry in Corntown and Ewenny Quarry in Ewenny.

### **Cardiff**

As in previous years, large scale developments in and around Cardiff Bay generated significant demand for aggregates. Approximately 2,200 houses were completed in 2004, 94% of which were built on brownfield sites. Quarries at Taffs well and Wenvoe supplied the bulk of the aggregates.

### **Swansea**

The new prestigious Liberty sports stadium, built near the site of the former Morfa stadium, generated strong demand for concrete and other aggregate products. Development in the 'SA1' area, near the Swansea Marina, involving a mixture of industrial/employment use has increased demand for such quarries as Cwm Nant Lleici and marine dredged sand and gravel.

### **Pembrokeshire County Council/Pembrokeshire Coast National Park**

In 2004 a 6km stretch of the A477(T) road in the Kilgetty area in the south of the county was resurfaced. The scheme involved the recycling of road planings - 59,500 m<sup>2</sup> and 70% of the existing road was recycled and laid back on the newly constructed road with a saving of £300,000. It also made the operation faster than if the conventional techniques had been used; the work took place over 10 weeks. A £2m cold milling machine planed the carriageway out and the recycling operations took place on an old airfield alongside the trunk road but some distance from the actual section of road being resurfaced. Daily production varied but the most laid in one day was 1,210 tonnes. (The product, Foamix, is the result of a joint venture of Tarmac Ltd and Bruce Cook Road Planing Ltd set up in 1997).

Planning permissions have been granted for two Liquid Gas (LNG) installations around the Milford Haven estuary. Both will require large tonnages of minerals in their construction. One site, Petroplus (an old oil refinery site) at Waterston is served by rail and a lot of material will be brought in this way as local residents expressed serious concerns about the traffic implications of the project. The other site is also a former oil refinery site on the northern side of the estuary, but has no rail link. Both sites have deep-water jetties, which are required for the shipment of the liquified gas. On arrival the gas is regasified and nitrogen is added. The gas will be stored in very large tanks.

The challenge through the Judicial review procedure to the approval of the part of the Blue Stone holiday development that lies in the National Park was unsuccessful, hence the approval stands. This project whilst comprising timber chalets will require a large amount of minerals for the infrastructure including changes to the public road arrangements in the vicinity of the site.

**Table 9**  
**Monitoring of Planning Applications: 2004**

Mineral Planning Authority	Site Name	Type	Mineral	Reserves (tonnes)	Date			Reason for Refusal	Appeal Pending	Pending at 01.01.2004 <small>Not determined by MPA</small>
					Submitted	Granted MPA	Refused MPA			
Pembrokeshire Coast National Park Authority	Rhydaston Quarry, Koch	E+ (note 1)	Igneous tuffs	1,400,000	30.07.02	Yes				
	Pant gwyn Quarry, Moylegrove	? (note 2)	Sand and Gravel	13,000 pa imports of stone material	17.10.03	Yes temp for 1 year				
	Pantgwyn Quarry, Moylegrove	E	Sand and Gravel	81,225	10.06.04	Yes temp for 1 year				
	Carew Quarry, Carew, Newton	? (note 3)	Limestone	Unlimited imports of primary aggregate to mix in block plant on site	16.08.04					Yes
	Pope Hill, Johnston	E	Mudstone/shale	22,700	06.10.03	Yes				
Pembrokeshire County Council	Pope Hill, Johnston	?E (note 4)	Mudstone/shale	Nil	14.03.04	Yes				
	Slade Hall Farm, Haverfordwest	E	Mudstone/shale	25,000	23.12.04					Yes
	Plascwrt Farm, Llangolman	R	Igneous-Sandstone	88,000	12.01.04	Yes				
	Penllan Quarry, Bethesda	E + R	Rab (Shale)	40,000	22.07.04					Yes

**NOTES** To be completed for any application which was either submitted, granted, refused or withdrawn (including appeal decisions) or remained outstanding over the past year.

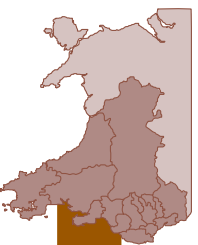
**E**-Extension **R**-Renewal

**Note 1** - This was the subject of a Section 106, which was not signed until 2004. It is a lateral extension but in lieu of another permitted area that involved deepening.

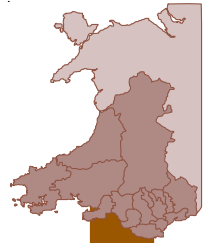
**Note 2** - Non-compliance with restrictive condition on imports. Pantgwyn has too much fine sand in current phase so wanted to bring in material to blend so as to fulfil their customers' requirements. They had been lots of stone in earlier phases but due to limited storage on site and presumably for cash flow this was crushed some time ago. However they also 'found' stone to the north of the permitted area when doing drainage works in 2003 and eventually applied partly in retrospect in 2004 for a northerly extension.

**Note 3** - Non-compliance with restrictive condition on imports. Carew has plenty of stone mainly higher quality but the owners wanted to be 'prudent' with it and use it for high quality needs, and, having access to a secondary quarry's stone (outwith the Park) wants to import purely for the block plant that was established two years ago when the second quarry was not in their control.

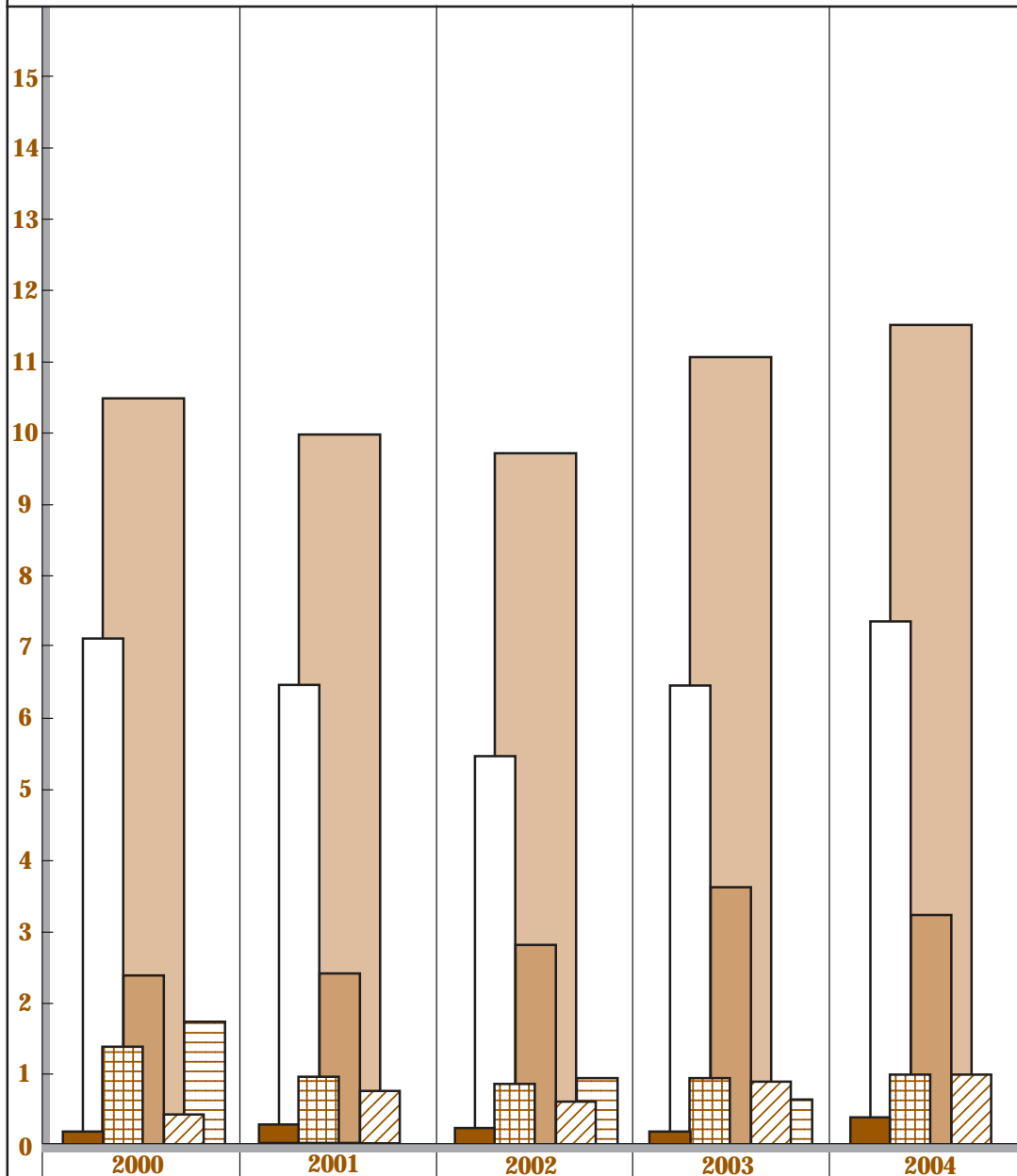
**Note 4** - Unauthorised activity beyond an existing extraction area and deepening but gave up a strip as well so we are saying no actual reserve as a result compared to what had been approved a couple of years ago.







**Table 10**  
**Aggregate Sales 2000-2004 (in millions of tonnes)**



**KEY**

- Limestone
- Sandstone
- Igneous
- Total Crushed Rock
- Sand & Gravel - Land won
- Sand & Gravel - Marine (excluding materials for Cardiff Bay Barrage)
- Secondary Aggregates (no figs available for 2001)



## **10. DEVELOPMENT PLAN UPDATE (as at 18.05.06)**

### **Powys**

About to go to inquiry.

### **Brecon Beacons Nation Park**

Discussing post inquiry modifications.

### **Monmouthshire**

Issuing notice of intention to adopt UDP.

### **Pembrokeshire County Council/NPA**

It is proposed to adopt the joint UDP in July and meet the SEA deadline.

### **Cardiff**

The delivery agreement has been approved.

### **Vale of Glamorgan**

The high court challenge to the adopted UDP was unsuccessful but the objector is still pursuing the case via the Court of Appeal. LDP work is underway.

### **Newport**

UDP was adopted on the 16th May, 2006.

### **Rhondda Cynon Taff**

The service delivery agreement was approved in January 2006. Consultations are underway on SEA/SA scoping and visioning reports.

### **Carmarthenshire**

The modifications are still on the deposit period. Adoption anticipated end of June, 2006.

### **Neath**

Still awaiting Inspector's report.

### **Torfaen**

The delivery agreement has been approved.

### **Caerphilly**

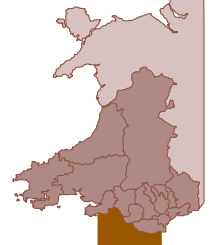
The delivery agreement is still with the WAG for approval.

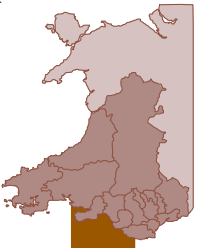
### **Bridgend**

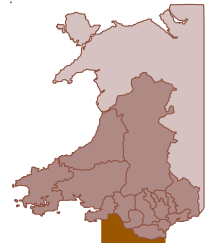
Still working on draft delivery agreement and SCI.

### **Blaenau Gwent**

UDP now adopted.

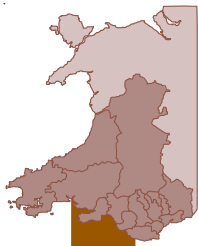






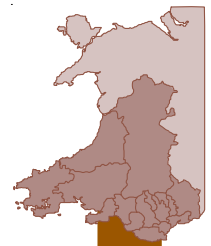
# **APPENDIX A**

## **SITES INCLUDED IN 2004 AGGREGATES MINERAL SURVEY**



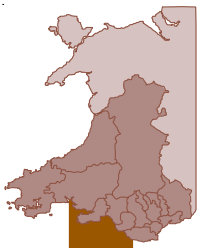
**Table 11**  
**Sites Included in 2004 Aggregates Minerals Survey**

MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator
<b>Blaenau Gwent C.B.C.</b> (Gwent)	Trefil Quarry	Limestone ST311214	Gryphonn Quarries Ltd
<b>Brecon Beacons National Park</b> (Powys, Mid Glam, Dyfed & Gwent)	Ammanford Penwyll* ** Penderyn Blaen Onneu* **	Limestone SN654178 Limestone SN856157 Limestone SN956139 Limestone SN155170	Hanson Aggregates S Wales Ltd Tarmac Western Ltd Hanson Aggregates S Wales Ltd Hanson Aggregates S Wales Ltd
<b>Bridgend C.B.C.</b> (Mid Glamorgan)	Cornelly Quarry Gaens Quarry Grove Quarry* Cefn Cribbwr Stormy Down* ** §	Limestone SS832800 Limestone SS822805 Limestone SS822798 Sandstone SS874828 Limestone SS842805	Cambrian Stone-Tarmac T S Rees Ltd Tarmac Western Ltd T S Rees Ltd Hobbs Holdings Ltd
<b>Caerphilly C.B.C.</b> (Gwent & Mid Glam)	Machen Hafod Bryn (Gelliargwellt Uchaf) Cefn Onn* ** § Cwm Leyshon* **	Limestone ST225885 Sandstone ST224965 Sandstone ST126964 Limestone ST175852 Limestone ST210868	Hanson Aggregates S Wales Ltd Redland Aggregates Ltd A Price & Co Wyndham Lewis Trust Hanson Aggregates S Wales Ltd
<b>Cardiff C.C.</b> (South & Mid Glam)	Blaengwnlais* Creigiau Cefn Garw* Taffs Well Ton Mawr* Roath Basin Roath Basin Brassways Wharf Rover Way	Limestone ST146841 Limestone ST087817 Limestone ST146841 Limestone ST122822 Limestone ST118829 Marine Sand ST188732 Marine Sand ST188732 Marine Sand ST188732 Slag/Secondary ST208760	Tarmac Western Ltd Tarmac Western Ltd Glen Harry Haulage Ltd RMC Aggregates UK Ltd T S Rees Ltd United Marine Aggregates RMC Aggregates UK Ltd Hanson Aggregates S Wales Ltd Sims Metal
<b>Carmarthenshire C.C.</b> (Dyfed)	Blaen-y-Fan* Cilyrychen & Glanwenlais* Coygen** Crwbin* Torcoed/Torcoed Fawr Capel* § Castle* § Garn Bica* ** Hengoed* ** § Limestone Hill* ** § Llwynyfran* § Maesdulais* § Penybanc* ** § Pwllymarch* § Ty'r Garn* ** § Ty Hywel** Foundry Road* Mynydd-y-Garreg*	Limestone SN455115 Limestone SN613165 Limestone SN286092 Limestone SN476137 Limestone SN495140 Limestone SN560153 Limestone SN534150 Limestone SN518146 Limestone SN447102 Limestone SN468125 Limestone SN257216 Limestone SN518145 Limestone SN470130 Limestone SN259216 Limestone SN502141 Sandstone SN598446 Sand & Gravel SN634121 Sandstone SN434085	RMC Aggregates S Wales Ltd Tarmac Western Ltd F H Gilman Ltd RMC Aggregates S Wales Ltd Tarmac Western Ltd P Jones Hobbs Holdings Ltd Mr Jones Mr Lloyd Mr D.R. Williams Hobbs Holdings Ltd Hobbs Holdings Ltd Mr S Davies Mr Wilkins G Morgan Messrs Williams & Sons Mr A R Llewellyn Kidwelly Town Council



**Table 11 (continued)**  
**Sites Included in 2004 Aggregates Minerals Surveys**

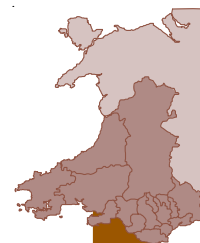
MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator
<b>Carmarthenshire C.C. (Dyfed)</b>	Pennant	Sandstone SN483069	Mason Bros
	Alltygarn* **	Sandstone Silica SN587157	Bardon Aggregates
	Crosshands* ** §	Sandstone SN 586155	Mr Edwards
	Cynghordy* ** §	Sandstone/Shale SN794403	D Roderick
	Danylan**	Sandstone SN524141	Gower Plant Ltd
	Dinas*	Sandstone SN627354	Tarmac Western Ltd
	Foelfach	Sandstone SN391257	Elvet Jones
	Garn* ** §	Sandstone SN499136	Mrs Hibbert
	Nantyrhydod* ** §	Sandstone/Shale SN388319	Mrs I Tattershall
	Penyfoel* ** §	Sandstone SN542148	Haven Group
	Pleasant View* ** §	Sandstone SN489135	Llangendeirne Commoners
	Garn Wen* **	Igneous SN167286	F H Gilman Ltd
	Cerrig yr Wyn* ** §	Igneous SN337160	F H Gilman Ltd
	Llwynjack	Sand & Gravel SN754331	C J Lewis
	Glantowy* ** §	Sand & Gravel SN746323	D A Lewis
Burry Port	Marine Sand SN462007	Llanelli Sand Dredging Ltd	
<b>Ceredigion C.C. (Dyfed)</b>	Alltgoch/Foelbryn**	Sandstone SN440483	F H Gilman Ltd
	Ystrad Meurig	Sandstone SN720695	Hanson Aggregates (S Wales) Ltd
	Moelfryn Maen	Sandstone/Shale SN573628	G Jenkins
	Esgair Newydd	Shale SN284502	I L Jones
	Wstrws*	Shale SN238250	D R Powell
	Cwm Nant Yard*	Shale SN648812	Mr Goubourn
	Wern Meirch	Shale SN248263	M H Jones
	Aberleri*	Sand	Raw-Rees
	Abercoed	Sand/Gravel	Tregaron Sand & Gravel Co Ltd
	Cnwcsaeson/Llwynllwd	Sand/Gravel SN200484	Cardigan Sand & Gravel Co Ltd
	Crug yr Eryr	Sand/Gravel SN420503	D R Powell
	Pant*	Sand/Gravel SN266256	D R Davies
Tylau	Gritstone/Shale SN588606	W J Evans	
<b>Merthyr Tydfil C.B.C. (Mid Glam)</b>	Vaynor (part in Brecon Beacons National Park)	Limestone SO039097	Hanson Aggregates (S Wales) Ltd
	Gelligaer	Sandstone ST115995	Pioneer Aggregates (UK) Ltd
	Morlais Castle* **	Limestone SO055098	None
<b>Monmouthshire C.C. (Gwent)</b>	Ifton*	Limestone ST463888	Hanson Aggregates (S Wales) Ltd
	Livox	Limestone ST540975	Hanson Aggregates (S Wales) Ltd
	Newport Dock (Newport)	Marine Sand ST470831	Severn Sands Ltd
	Fairfield Wharf (Chepstow)	Marine Sand ST538934	Severn Sands Ltd
<b>Neath-Port Talbot C.C. (West Glam)</b>	Cwm Nant Leici	Sandstone SN728075	Aggregates Industries
	Gilfach	Sandstone SN752999	RMC Roadstone Ltd (S Wales)
	Port Talbot Steelworks (Margam)	Sand SS780870	Cambrian Stone Ltd
	Nantyglo Occs	Sandstone SN87500290	F Parnell Ltd
	Port Talbot & Steelworks	Slag/Secondary SS780870	Cambrian Stone Ltd
	Briton Ferry Riverside Wharf	Marine Sand SS734940	RMC Aggregates (S Wales) Ltd
	Briton Ferry Ironworks Wharf	Marine Sand SS734940	Hanson Aggregates (S Wales) Ltd
	Briton Ferry Riverside Wharf	Marine Sand SS734940	United Marine Aggregates



**Table 11 (continued)**  
**Sites Included in 2004 Aggregates Minerals Surveys**

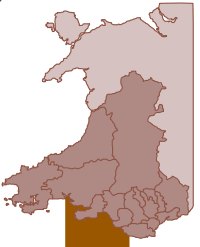
MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator
<b>Newport C.B.C. (Gwent)</b>	Penhow Quarry* Eastern Wharf Brassways Wharf Great Western Wharf Llanwern Works Llanwern Maesglas (Mon Bank Sidings)	Limestone ST423913 Marine Sand ST322873 Marine Sand SS322873 Marine Sand SS322873 Slag/Secondary ST395861 Blast Furnace Slag ST298860 Railway Ballast (recycling) ST330186	Hanson Aggregates (S Wales) Ltd Hanson Aggregates (S Wales) Ltd Hanson Aggregates (S Wales) Ltd United Marine Aggregates Cambrian Stone Ltd Civil & Marine Slag Cement Ltd
<b>Pembrokeshire Coast National Park (Dyfed)</b>	Bottom Meadow* Kiln/Carew Penberry* Rhyndaston Syke Walwyns Castle* Pantgwyn** Trefigin** Middle Mill	Limestone SN037058 Limestone SN049043 Igneous SM804259 Igneous SM893236 Igneous/Sandstone SM872106 Sand & Gravel SN124424 Sand & Gravel SN149437 Igneous	E Morgan T Scourfield & Sons Jamieson Mason Bros Quarry Products Ltd F H Gilman Ltd L & D Rees Trefigin Quarries Ltd F H Gilman Ltd
<b>Pembrokeshire C. C. (Dyfed)</b>	Cefn Gelli Halog Bolton Hill** Plascwrt Farm** Slade Hall Farm** Wogaston Farm** Brawdy Farm Glogue Pembroke Dock Wharf Blaencilgoed Trefigin Treffgarne § Penlan Clunderwen Gilfach Pope Hill	Slate, Stone & Fill SN204428 Limestone SN158107 Igneous SM918114 Igneous SN118274 Shale SM932168 Sandstone/Shale SM090010 Sand & Gravel SM950240 Slate/Secondary SN220328 Marine Sand SM958039 Limestone SM215210 Sand & Gravel SM213624 SN141436 Sandstone/Shale SN086186 Sandstone/Shale SN130271 Shale/Mudstone SM946126	A D Plant RMC Materials (UK) Ltd F H Gilman Ltd M Evans Messrs EA & NW Jones Mr Woods Mason Bros Quarry Products Ltd Mansel Davies & Sons Ltd United Marine Aggregates Ltd Harries & Sons Trefigin Quarries Ltd S Griffiths Mrs Davies Lawrence Bros
<b>Powys C. C. (Powys)</b>	Cribarth Gore Strinds/Dolyhir Tan-y-Foel** Tredomen Rhayader* ** § Criggion Llanelwedd, Builth Little Wernwilla Buttington Brickworks Borrow Pits Berwyn Granite Garreg Caerfagu	Sandstone SN953525 Sandstone SO259592 Sandstone/Shale SO242582 Sandstone SJ014015 Sandstone SO118304 Sandstone SN198169 Igneous SJ289142 Igneous SO050521 Sandstone SO218535 Sandstone SO326531 Sandstone/Shale Igneous Igneous Sand & Gravel SO045654	Aggregate Industries (UK) Ltd Tarmac Western Ltd Tarmac Western Ltd H V Bowen & Sons K Jones Tarmac Western Ltd Hanson Aggregates (Northern) Ltd Hanson Aggregates (S Wales) Ltd R Mills Border Hardcore & Rockery Stone Alun Griffiths Contractor Hanson Aggregates (Northern) Ltd Hanson Aggregates (Northern) Ltd Caerfagu Products Ltd





**Table 11 (continued)**  
**Sites Included in 2004 Aggregates Minerals Surveys**

MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator
<b>Rhondda-Cynon-Taff C.B.C (Mid Glam)</b>	Forest Wood Hendy Craig yr Hesg	Limestone ST015798 Limestone ST054810 Sandstone ST079919	Hanson Tarmac Western Ltd Hanson Aggregates S Wales Ltd
<b>Swansea City C.C. (West Glam)</b>	Barland* ** Swansea Docks Swansea Docks	Limestone SS576895 Marine Sand SS673924 Marine Sand SS 673924	Cuddy British Dredging Aggregates Ltd United Marine Aggregates Ltd
<b>Torfaen C.B.C. (Gwent)</b>	-----	-----	-----
<b>Vale of Glamorgan C. (South &amp; Mid Glam)</b>	Aberthaw Garwa Farm* Lithalun Pantffynnon Wenvoe Forest Wood (see RCT) Argoed Isha**§ Ewenny Cnap Twt**§ Longlands Pant Ruthin§ St Andrews**§ Barry Docks Aberthaw Power Station	Limestone (Lias) ST037672 Limestone SS978798 Limestone SS899765 Limestone ST046740 Limestone ST130741 Limestone ST015798 Limestone SS992790 Limestone SS902768 Limestone SS911753 Limestone SS928772 Limestone SS895760 Limestone SS975792 Limestone ST143714 Marine Sand ST127667 PFA/FBA (Sec) ST038660	Lafarge Cement Ltd Larfarge Cement Ltd Hanson Aggregates (S Wales) Ltd Seth Hill & Son Ltd Cemex Ltd Hanson Aggregates Landowners Lafarge Aggregates/Minimix Duchy of Lancaster Green Circle Ltd/Viggars Bros Tarmac Western Ltd Lafarge T J Bowles Cemex Ltd RWE Innogy

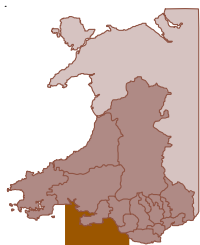




## **APPENDIX B**

### **MEMBERS OF THE SOUTH WALES REGIONAL AGGREGATES WORKING PARTY**

**(as at 1st March, 2005)**



**M J Hooker**  
**(Chairman)**

*Assistant Director (Planning Services)*  
*Bridgend County Borough Council*

**S J Bool**  
**(Secretary)**

*Mineral Officer*  
*Bridgend County Borough Council*

**G Jones**

*Chief Regeneration Officer*  
*(Development Services & Private Sector Housing)*  
*Blaenau Gwent County Borough Council*  
*(represented by D Canney)*

**C Gledhill**

*Chief Executive/National Park Officer*  
*Brecon Beacons National Park*  
*(represented by Ms R Brown)*

**P Mears**

*Chief Planning Officer*  
*Caerphilly County Borough Council*  
*(represented by Mrs R Amundsen)*

**J Stedman**

*Strategic Planning Manager*  
*Cardiff County Council*  
*(represented by S Williams)*

**E Lewis**

*Director of Environmental Services & Housing*  
*Ceredigion County Council*  
*(represented by G Dorrington)*

**E Bowen**

*Head of Planning, Environment*  
*& Economic Development Department*  
*Carmarthenshire County Council*  
*(represented by H Towns)*

**N Davies**

*Planning Manager*  
*Merthyr Tydfil County Borough Council*

**G Ashworth**

*Head of Planning & Regeneration*  
*Monmouthshire County Council*  
*(represented by M Davies)*



**G White**

*Head of Planning Services  
Neath Port Talbot County Borough Council  
(represented by N Morgan)*

**S Wild**

*Head of Planning & Economic Regeneration Services  
Newport County Borough Council  
(represented by J Hooker)*

**Roger Barrett-Evans**

*Director of Development  
Pembrokeshire County Council  
(represented by Mrs C Williams)*

**Ifor Jones**

*Head of Conservation  
Pembrokeshire Coast National Park  
(represented by Mrs C Williams)*

**G Davey**

*Director of Planning & Economic Development  
Powys County Council  
(represented by A Bull)*

**S Davies**

*Director of Development & Regeneration  
Rhondda-Cynon-Taff County Borough Council  
(represented by K Warren)*

**C Anderson**

*Director of Development  
City & County of Swansea  
(represented by R Henderson)*

**Duncan Smith**

*Chief Officer  
Planning & Public Protection  
Torfaen County Borough Council  
(represented by A Wilcock)*

**R Thomas**

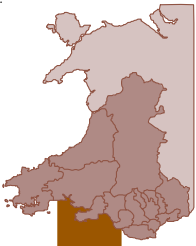
*Head of Planning & Transportation  
Vale of Glamorgan  
(represented by M Lucas)*

**W Towell**

*Representative QPA  
Quarry Products Association*

**D Pollock**

*Planning Officer  
Quarry Products Association*



**K Seaman**  
Representative QPA  
Quarry Products Association

**M M Frampton**  
Representative QPA  
Quarry Products Association

**M Lawer**  
Representative QPA  
Quarry Products Association

**B Hollington**  
Farming & Rural Conservation Agency  
(Agricultural & Rural Affairs Department)

**C Morgan/S Martin**  
Welsh Assembly Government

**Peter Bide**  
Department of Communities and Local Government

**Jason Golder**  
Crown Estate

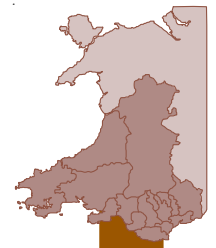
**David Highley**  
British Geological Survey

**J Cuddy**  
Cuddy Demolition & Dismantling

**A Wilkes**  
Environment Agency

**Karen Maddock-Jones**  
Countryside Council for Wales

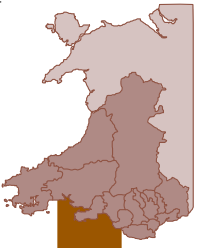
**P Huxtable**  
British Aggregates Association



## **APPENDIX C**

### **REPORTS PRODUCED BY THE SOUTH WALES REGIONAL AGGREGATES WORKING PARTY**

**(copies are available from the Secretary)**

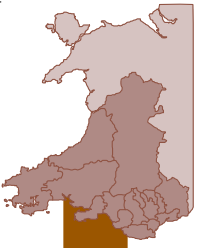


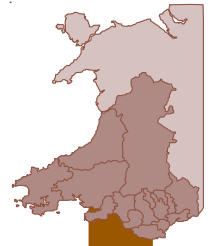




## REPORTS PRODUCED BY SOUTH WALES REGIONAL AGGREGATES WORKING PARTY

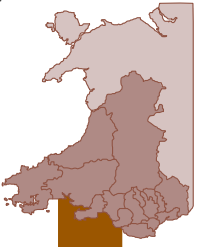
1.	<b>Interim Report</b>	<i>September 1977</i>	£1.50
2.	<b>Supplement to Interim Report</b>	<i>December 1977</i>	£1.00
3.	<b>Regional Commentary (Part I)</b>	<i>December 1980</i>	£2.00
4.	<b>Regional Commentary (Part II)</b>	<i>August 1981</i>	£2.00
5.	<b>1981 Aggregates Mineral Survey</b>	<i>December 1983</i>	£2.00
6.	<b>1985 Aggregates Mineral Survey</b>	<i>March 1987</i>	£2.00
7.	<b>AM85 Analysis and Commentary</b>	<i>December 1987</i>	£2.00
8.	<b>Marine Dredging</b>	<i>March 1989</i>	£5.00
9.	<b>1989 Aggregates Mineral Survey</b>	<i>October 1990</i>	£5.00
10.	<b>AM89 Regional Commentary</b>	<i>January 1992</i>	£10.00
11.	<b>Progress Report For 1990 - 1991</b>	<i>October 1992</i>	£5.00
12.	<b>Progress Report for 1992</b>	<i>September 1993</i>	£5.00
13.	<b>1993 Aggregates Minerals Report</b>	<i>August 1994</i>	£5.00
14.	<b>Guidelines for Aggregates Provision in South Wales</b>	<i>March 1995</i>	£5.00
15.	<b>Annual Report 1995</b>	<i>March 1997</i>	£5.00
16.	<b>Annual Report 1996</b>	<i>March 1998</i>	£7.00
17.	<b>Annual Report 1997</b>	<i>August 1999</i>	£10.00
18.	<b>Annual Report 1998</b>	<i>March 2000</i>	£10.00
19.	<b>Annual Report 1999</b>	<i>November 2000</i>	£10.00
20.	<b>Annual Report 2000</b>	<i>October 2001</i>	£10.00
21.	<b>Annual Report 2001</b>	<i>November 2002</i>	£12.50
22.	<b>Annual Report 2002</b>	<i>August 2003</i>	£12.50
23.	<b>Annual Report 2003</b>	<i>August 2004</i>	} Available free see website ( <a href="http://www.swrawp-wales.org.uk">www.swrawp-wales.org.uk</a> )
24.	<b>Annual Report 2004</b>	<i>June 2006</i>	

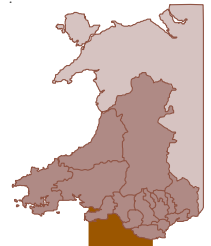




## **APPENDIX D**

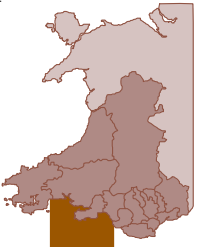
**-TERMS OF REFERENCE-  
2004  
SOUTH WALES  
REGIONAL AGGREGATES  
WORKING PARTY**





## **-TERMS OF REFERENCE- SOUTH WALES REGIONAL AGGREGATES WORKING PARTY**

- 1.** To regularly monitor the production and sales of aggregate minerals within the region.
- 2.** To assess the total sand, gravel and hard rock (limestone and sandstone) reserves available in the Region suitable for aggregate production (ie. those with planning permission and other areas where there is some commitment in local authority, statutory and non-statutory plans), making reference to areas where planning permission has been refused and to those in industry ownership; and taking into account the availability of marine dredged materials and the use of materials for non-aggregate purposes.
- 3.** To assess the likely short term demand for aggregates within the Region.
- 4.** To indicate whether, in the short term, current permitted reserves are likely to be adequate.
- 5.** To assess the extent of imports of aggregate minerals from other regions.
- 6.** To indicate to what extent the market area serviced by the Region could and should, be allowed to change in the medium and longer term (ie. 10 and 20 years respectively).
- 7.** To consider the extent and implications of the present and potential future use of synthetic and waste materials as substitutes for natural aggregates.
- 8.** To take adequate account of agricultural, amenity and other planning conditions in examining the above (particularly 6), (eg. other land uses and transport).



***Reports which are still in print may be purchased from:-  
Environmental & Planning Services Directorate, Civic Offices, Angel Street, Bridgend. CF31 4WB.  
Tel: (01656) 643178 Fax: (01656) 643190 E-mail: [boolsj@bridgend.gov.uk](mailto:boolsj@bridgend.gov.uk)  
website: [swrawp-wales.org.uk](http://swrawp-wales.org.uk)  
Cheques to be made payable to Bridgend C.B.C.***

**Published by Bridgend County Borough Council,  
Environmental & Planning Services Directorate,  
on behalf of the  
South Wales Aggregates Working Party.**

**Price £15.00**

O:\RAWP2004 ANNUAL REPORT.PM7.0 (August 2006) KPJ