

**SOUTH WALES
REGIONAL AGGREGATES
WORKING PARTY**

**ANNUAL REPORT
2005**

This report contains statistics on aggregate sales in the calendar year 2005

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.

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South Wales Regional Aggregates Working Party - Annual Report 2005

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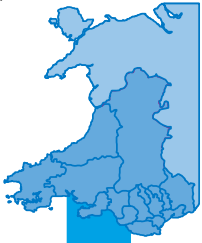
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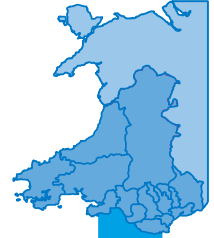


1. INTRODUCTION

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 2005 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 local 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 Department of Community and Local Government 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.

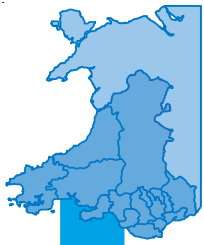
2.2. The South Wales Regional Aggregates Working Party is a technical working group with membership drawn from officers of the 18 Mineral Planning Authorities, representatives of the Quarry Products Association (QPA) which is the trade association of the aggregates industry, the British Aggregates Association (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, National Ash, Welsh Environmental Trust 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 April, 2007.

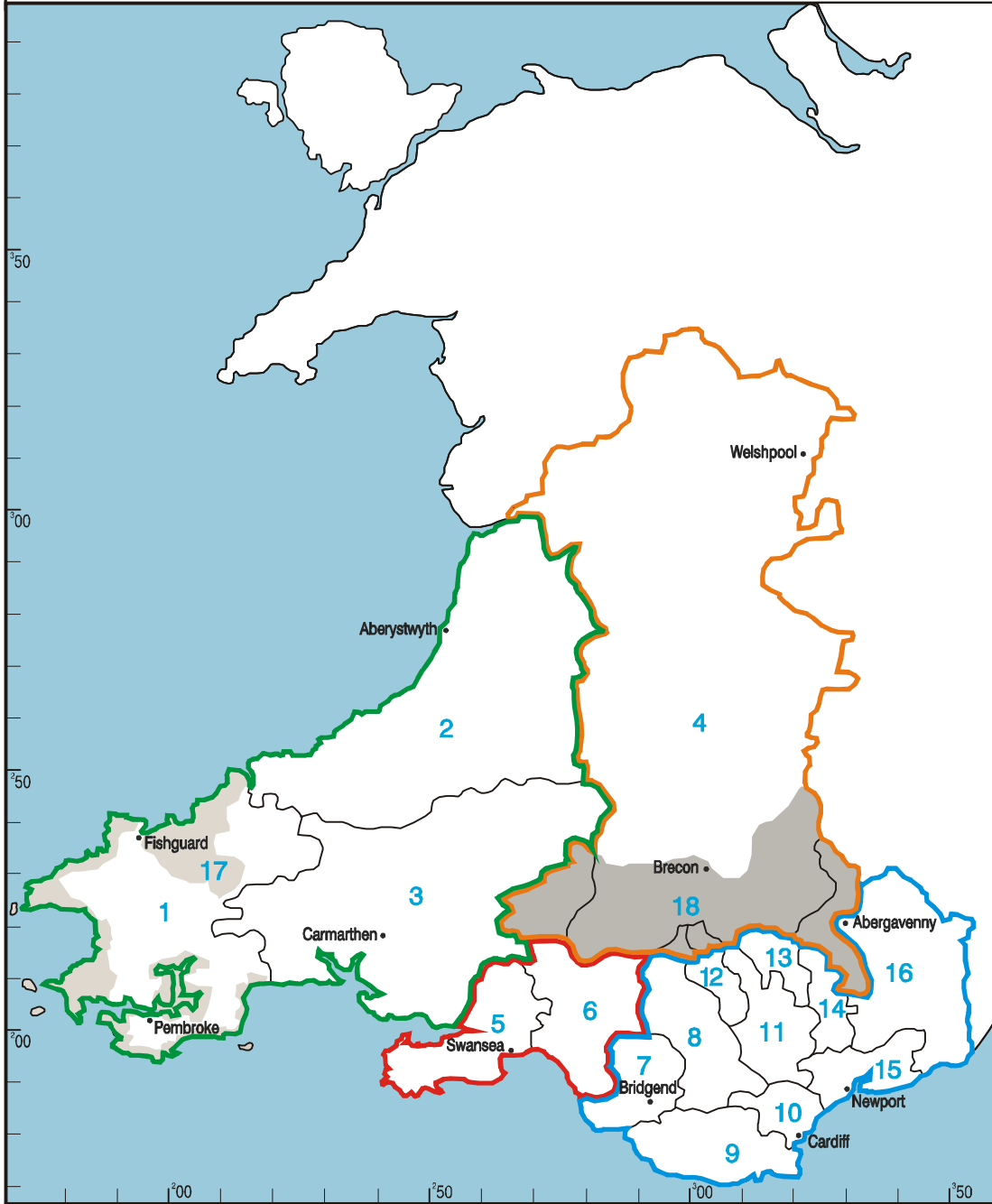
2.4. The Chairman/Secretary of SWRAWP attended a significant number of steering group meetings relating to the following research projects:-

- (i) Construction, demolition and quarry waste survey 2005 undertaken by Faber Maunsell;
- (ii) Construction and demolition waste survey - Environmental Agency;
- (iii) Mineral site restoration (RSPB); and
- (iv) Annual Monitoring Survey 2005.

The secretary has also maintained close liaison with the Welsh Environment Trust's new postholder responsible for a 4 year contract (ceases 2008) to promote the use and markets for construction and demolition waste in Wales. This post is funded by the Aggregates Levy fund. Their report is attached as Appendix E.



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



Unitary Authorities

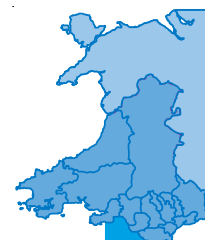
- | | |
|-----------------------|----------------------|
| 1. Pembrokeshire | 9. Vale of Glamorgan |
| 2. Ceredigion | 10. Cardiff |
| 3. Carmarthenshire | 11. Caerphilly |
| 4. Powys | 12. Merthyr Tydfil |
| 5. Swansea | 13. Blaenau Gwent |
| 6. Neath-Port Talbot | 14. Torfaen |
| 7. Bridgend | 15. 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 2005 survey are as follows:-

Table 1								
Crushed Rock Sales By End Use (million tonnes) 2005								
	Coated Roadstone	Uncoated Roadstone	Concrete Aggregate	Fill/Other Construction Aggregate	Rail Ballast	Total ¹ Aggregate	Building Stone	Non ² Aggregates
Limestone	0.79	1.14	1.80	2.40	} 0.14	6.13	0.04	1.30
Sandstone	1.86		} 0.36	} 2.01		3.49	} 0.08	} 0.03
Igneous	0.67					1.23		
Total	2.49	1.65	2.16	4.41	0.14	10.85	0.12	1.33

¹ Includes unknown end uses. ² Includes Building Stone.

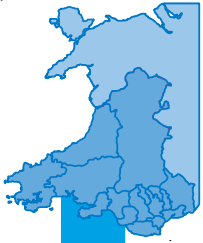
Figures may not balance exactly due to rounding off, and the lack of information regarding the breakdown of end-use.

Table 2							
Crushed Rock Aggregate Sales & Reserves (million tonnes)							
Former County (approx.)	Mineral Planning Authority	Crushed Rock Sales 2003	Crushed Rock Sales 2004	Crushed Rock Sales 2005	Reserves at 31.12.05 ¹	Landbank of ² Reserves (years)	
Powys	Brecon Beacons National Park	} 3.86	} 3.15	} 3.00	} 156.0	104	
	Powys						
Dyfed	Carmarthenshire	} 2.23	} 2.77	} 2.66	135.35	124	
	Ceredigion				8.80	42	
	Pembrokeshire County Council				14.70	} 182.00	34
	Pembrokeshire Coast N.P.				8.90		
West Glamorgan	Neath-Port Talbot	}	}	}	}	}	
	Swansea						
Mid & South Glamorgan And Gwent	Blaenau Gwent	} 0.73	} 0.92	} 1.25	} 137.80	} ³	
	Merthyr Tydfil						
	Monmouthshire	} 5.07	} 5.87	} 5.19	} 246.30		
	Newport						
	Torfaen	}	}	}	}		
	Bridgend						
	Caerphilly	32.51	36				
	Cardiff	42.02	51				
R.C.T.	11.57	17					
Vale of Glamorgan	22.00 ¹	16					
Total		11.16	11.58	10.85	584.00 ¹		

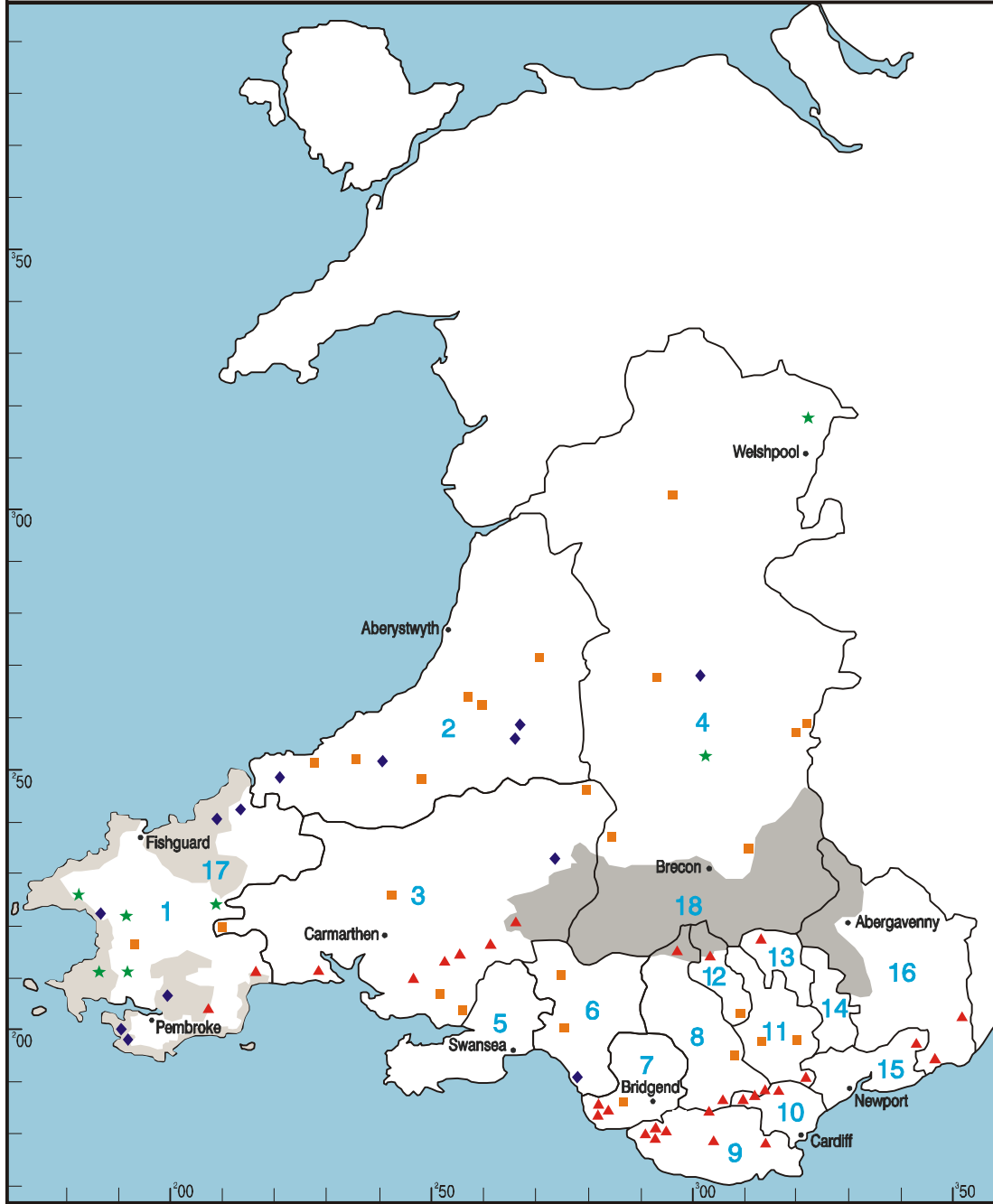
¹ The majority of non-aggregate reserves are located in the Vale of Glamorgan and these have been excluded from reserve figures. In other authorities, aggregate reserve figures may include some non-aggregate reserves. It is important to note that some non-aggregate reserves may contain aggregate reserves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

² Crushed rock landbanks are determined using the average production figures over the last 3 years, 2003-2005 and dividing the reserves by the annual average production.

³ Average reserve figures cannot be calculated as information is subject to confidentiality rules.



MAP 2
Primary Aggregates Production Sites - 2005 (excluding marine)



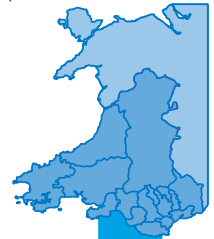
Unitary Authorities

- | | |
|-----------------------|----------------------|
| 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 decreased by 0.73 million tonnes (6%). This is the first decrease in tonnage since 2002. Limestone sales decreased by 1,170,000 tonnes (16%); Sandstone sales decreased by 130,000 tonnes (4%); and Igneous sales decreased by 140,000 tonnes (13%).

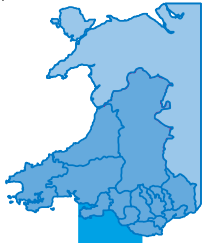
SAND AND GRAVEL BY END USES (LAND-WON)

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 2004/2005 indicate there was a 6% decrease in the tonnage of sand and gravel landed in 2005 (from 1,071,344 to 1,001,767). There were significant decreases in tonnages landed at Port Talbot (-37%) and Swansea (-28%) and increases at Barry (+ 11%) and Pembroke (+ 49.0%).



4. SAND AND GRAVEL

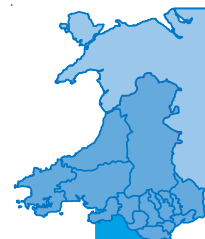
4.1. The results of the 2005 survey are as follows:-

Table 3			
Sand and Gravel (Land Won) Total Sales (million tonnes) 2005			
Former County (approx.)	Mineral Planning Authority	Land Won Aggregates	Reserves
Dyfed	Carmarthenshire County Council	0.35	10.86
	Ceredigion C. C.		
	Pembrokeshire County Council		
	Pembrokeshire Coast National Park		
West Glamorgan	Neath-Port Talbot County Borough Council	0.09	0.50
Powys	Powys County Council		
Mid & South Glamorgan And Gwent	Bridgend County Borough Council		
Total		0.44	11.36

Table 4	
Sand and Gravel (Land Won) Sales by end Use (million tonnes) 2005	
Building/Soft Sand for Coating for Asphalt/Mortar	0.119*
Concreting/Sharp Sand	0.083
Gravel - Concrete Aggregates, Other Uses	0.040
As Raised Material for Constructional Fill/Unknown	0.207
Total	0.44

Table 5			
Port Statistics For Marine Dredged Aggregates 2005 (Source: Crown Estate: Summary of Statistics 2005)			
Mineral Planning Authority	Landing Port	2004 Tonnages	2005 Tonnages
Vale of Glamorgan Council	Barry	14,689	16,345
Neath-Port Talbot County Borough C.	Briton Ferry/Port Talbot	248,974	198,795
Carmarthenshire County Council	Burry Port	113,163	107,345
Cardiff Council	Cardiff Docks	292,910	263,090
Pembrokeshire County Council	Pembroke Docks	44,509	66,607
Newport County Borough Council	Newport	253,508	275,138
Monmouthshire	Newport/Chepstow	1	1
Swansea City County Council	Swansea	103,591	74,467
Total		1,071,344	1,001,767

1 No statistics as not within Crown Estate area.



5. SECONDARY AGGREGATES

Mineral Planning Authority	Type	Roadstone Coated/ Uncoated Concrete Aggregate, Artificial Aggregate	Other Construction Uses	Total	Reserves at 31.12.05
Newport Neath-Port Talbot Cardiff	Steel/Blast Furnace Slag	} -----*	} -----*	} 1.08	} 25.10
Vale of Glamorgan	PFA/FBA				
Pembrokeshire County	Slate Waste				

1 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.

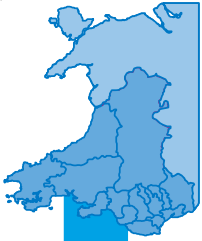
* No breakdown available (AM2005 did not include secondary aggregates).

5.1. Responses were received from six of the fifteen local highway authorities throughout South Wales on the arisings/recycling of road planings. This represents a 40% response rate. 49,558 tonnes of arisings were recorded of which 47,000 tonnes (96%) was recycled. Most of this recycled material was used for low grade end uses such as improvements to roads in rural areas, cycle tracks, sub-base fill, farm lanes, private roads and footpaths. The majority of the material recycled was asphalt.

5.2. No road planings were landfilled and the amount in stockpiles was 150 tonnes. No reasonable comparison can be made with previous years due to the poor response.

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.

A report on recycled and secondary aggregates has been prepared by WET for the year 2005 and this is available on the SWRAWP website. The size of the report precludes the inclusion of it in this report.



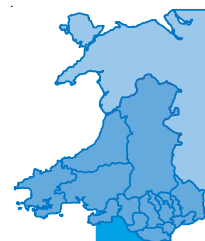
6. GUIDELINES FOR AGGREGATES PROVISION IN SOUTH WALES (UPDATE)

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 almost reached the draft RTS consultation document stage. 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 May, 2007. RTS documents may be viewed on the SWRAWP website: swrawp-wales.org

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 construction and demolition waste and quarry waste for use as aggregates in Wales [Smiths Gore] 2003.
- (vii) Survey of C and D, and quarry waste 2005 [Farber Maunsell].
- (viii) Survey of C + D and secondary aggregates - Welsh Environmental Trust 2005.

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.



7. PRODUCTION OF AGGREGATES IN SOUTH WALES

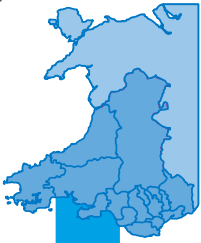
7.1. Table 7 illustrates the tonnages of aggregates produced in South Wales in the calendar year 2005. The total volume of crushed rock has decreased by 1,280,000 million tonnes (11%) which signals a change in the trend of annual increases since 2002. Limestone tonnages have decreased by 16%; Sandstone tonnages have increased by 4%; and Igneous tonnages have increased by 13%. It is interesting to note that the sale of fill material between 2004/05 is not that different (0.3mt). This suggests that C + D waste/secondary aggregates may not be influencing the fill market as much as reports suggest.

Type	2001	2002	2003	2004	2005	
Limestone	6.53	5.76	6.46	7.30	6.13	
Sandstone	2.64	3.14	3.71	3.20	3.49	
Igneous	0.83	0.64	0.95	1.08	1.23	
Total Crushed Rock	10.00	9.54	11.12	11.58	10.85	
Sand & Gravel	Land Won	0.34	0.19	0.19	0.40*	0.44
	Marine	1.02 1	0.97 1	0.98 1	1.07 1	1.00 1

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 2004. 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 6 years with 1,001,767 tonnes being dredged in 2005. This represents a 6% decrease in landings (70,000 tonnes) compared with 2004.



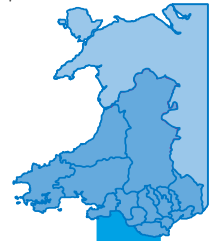
8. AGGREGATES - RESERVES

Table 8
Aggregate Reserves: Active, Inactive and Dormant (million tonnes) 2005

MPA	Active	Inactive	Dormant	Total
Brecon Beacons NP	156.00	43.60		
Powys				
Carmarthenshire	182.00	49.69	45.50	476.79
Ceredigion				
Pembrokeshire CC				
Pembrokeshire NP				
Neath - Port Talbot				
Swansea				
Blaenau Gwent	137.80			
Merthyr				
Monmouthshire				
Newport				
Torfaen				
Bridgend	108.10	37.87	25.80	309.57
Caerphilly				
Cardiff				
Rhondda Cynon Taff				
Vale of Glamorgan				
TOTAL	584.00	131.16	71.30	786.36

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 2005

Bridgend County Borough Council

Cornelly Quarry, the largest site for the extraction of limestone in S. Wales, is still the subject of an undetermined application for the review of planning conditions, which was submitted in 1997. Determination has been delayed pending the completion of a water management plan, which together with detailed hydrogeological information, has been required as part of the environmental statement. It is hoped determination by the WAG will take place in 2007.

A long established public highway that dissects the quarry, has recently been the subject of an order which allows the road to be stopped-up. The quarry will then extend through the road corridor to increase reserves to supply to the construction, road and steel industry.

Cardiff

As in previous years, large scale residential and commercial developments in the City Centre and Cardiff Bay generated significant demand for aggregates. This is illustrated by the fact that approximately 1,860 houses were completed in Cardiff in 2005. Quarries at Taffs Well and Wenvoe supplied the bulk of the aggregates for these projects.

Construction work on a new vehicular access to Taffs Well quarry has now commenced. This involves driving a two-lane 200 metre tunnel from the base of the present quarry through the face of adjacent disused Ty Nant Quarry and provision of a new access onto Ty Nant Road. When open this will result in significant environmental benefits for the local community as it will remove a large amount of the existing quarry traffic from the present largely unsuitable route via Pentyrch Hill. The next phase in the quarry re-development will be in the removal of the existing quarry plant from the skyline into the bowl of the quarry to tie in with the new access, which is due to commence next year.

Vale of Glamorgan

Aberthaw Quarry: work commenced on a temporary road diversion to allow a bridge to be constructed to gain access to the southern part of the permitted area. That area is approximately 100Ha and contains reserves sufficient until beyond 2042 when the permission expires.

Ewenny Quarry: revised working conditions were approved in 2005 that included the moving of the quarry plant to a new location more distant from houses. The plant move was not completed until mid 2006 but that in turn triggered an increase in permitted annual output from 200,000 to 325,000 tonnes (three year average).

Table 9
Monitoring of Planning Applications: 2005

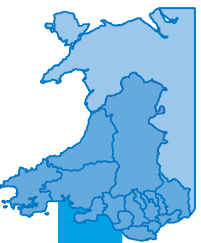
Mineral Planning Authority	Site Name	Type	Mineral	Reserves (million tonnes)	Date			Reason for Refusal	Appeal Pending	Pending at 01.01.2004 <small>Not determined by MPA</small>
					Submitted	Granted MPA SOS	Refused MPA SOS			
Powys	Cribarth Quarry	E	Sandstone	0.26	03.03.05	Undeter-mined				
Bridgend	-	-	-	-	-	-	-	-	-	-
Vale of Glamorgan	-	-	-	-	-	-	-	-	-	-
Cardiff	-	-	-	-	-	-	-	-	-	-
Pembs CC and NP	-	-	-	-	-	-	-	-	-	-
Caerphilly	Machen Quarry	E	Limestone	8.90	27.07.05	Approved				
Brecon Beacons NP	-	-	-	-	-	-	-	-	-	-
Torfaen	Tirpenhys	E	Sandstone	?	??	??	Under-mined			
Momnouthshire	-	-	-	-	-	-	-	-	-	-
Newport	-	-	-	-	-	-	-	-	-	-
Swansea	-	-	-	-	-	-	-	-	-	-
Rhondda-Cynon-Taff	-	-	-	-	-	-	-	-	-	-
Neath-Port Talbot	-	-	-	-	-	-	-	-	-	-
Carmarthenshire	-	-	-	-	-	-	-	-	-	-
Ceredigion	-	-	-	-	-	-	-	-	-	-
Blaenau Gwent	-	-	-	-	-	-	-	-	-	-

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



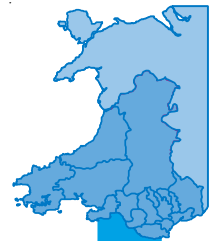
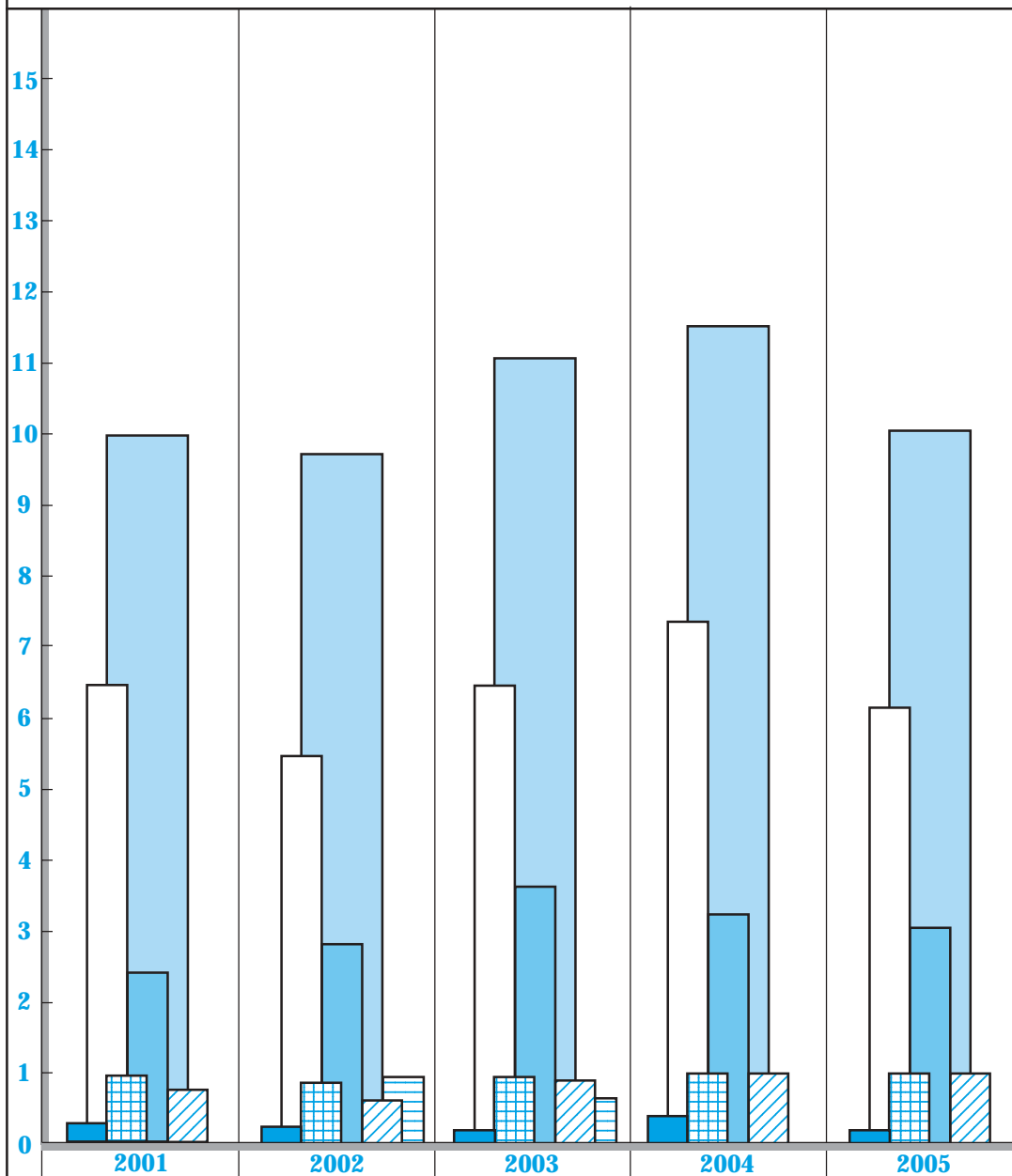







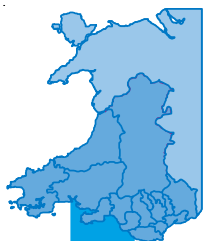


Table 10
Aggregate Sales 2001-2005 (in millions of tonnes)



KEY

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



10. DEVELOPMENT PLAN UPDATE (as at 01.11.2006)

Blaenau Gwent

Delivery Agreement/due date for submission: by 30.11.2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Brecon Beacons Nation Park

Delivery Agreement/due date for submission: by 16.09.2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Bridgend

Delivery Agreement/due date for submission: Agreed by Assembly Government
01.11.2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Caerphilly

Delivery Agreement/due date for submission: Agreed by Assembly Government
04.05.2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): April 2007

Cardiff

Delivery Agreement/due date for submission: Agreed by Assembly Government
25.04.2006

Publication of DA by Ipa: Draft SA/SEA scoping report issued for consultation November
2006

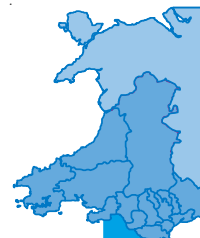
Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): March/April 2007

Ceredigion

Delivery Agreement/due date for submission: Agreed by Assembly Government
30.07.2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A



10. DEVELOPMENT PLAN UPDATE (as at 01.11.2006) (Continued)

Merthyr Tydfil

Delivery Agreement/due date for submission: Agreed by Assembly Government
14.02.2006

Publication of DA by Ipa: April 2006

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): February/March 2007

Monmouthshire

Delivery Agreement/due date for submission: Agreed by Assembly Government
31.12.2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Neath-Port Talbot*

Delivery Agreement/due date for submission: 6 months after receipt of UDP Inspector's
Report

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Newport

Delivery Agreement/due date for submission: by 31.07.2007

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Pembrokeshire Coast National Park

Delivery Agreement/due date for submission: by 19.07.2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Powys*

Delivery Agreement/due date for submission: 6 months after receipt of UDP Inspector's
Report

Publication of DA by Ipa: N/A

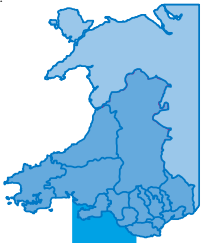
Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): N/A

Rhondda-Cynon-Taff

Delivery Agreement/due date for submission: Agreed by Assembly Government
18.01.2006

Publication of DA by Ipa: April/May 2006

Target date for 1st formal consultation stage of LDP
(reg.15) (from agreed DA): July/August 2006



10. DEVELOPMENT PLAN UPDATE (as at 01.11.2006) (Continued)

Swansea*

Delivery Agreement/due date for submission: 6 months after receipt of UDP Inspector's Report

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP (reg.15) (from agreed DA): N/A

Torfaen

Delivery Agreement/due date for submission: Agreed by Assembly Government 19.01.2006

Publication of DA by Ipa: January 2006

Target date for 1st formal consultation stage of LDP (reg.15) (from agreed DA): January/February 2007

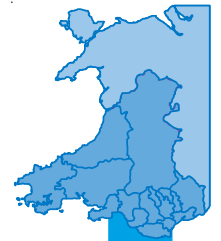
Vale of Glamorgan

Delivery Agreement/due date for submission: Agreed by Assembly Government July 2006

Publication of DA by Ipa: N/A

Target date for 1st formal consultation stage of LDP (reg.15) (from agreed DA): N/A

(* Denotes local planning authorities progressing UDP)



APPENDIX A

SITES INCLUDED IN 2005 AGGREGATES MINERAL SURVEY

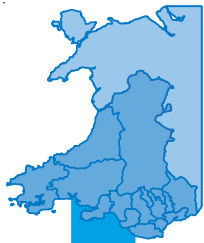


Table 11
Sites Included in 2005 Aggregates Minerals Survey

MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator
Blaenau Gwent C.B.C. (Gwent)	Trefil Quarry	Limestone ST311214	Gryphonn Quarries Ltd
Brecon Beacons National Park (Powys, Mid Glam, Dyfed & Gwent)	Ammanford	Limestone SN654178	Hanson Aggregates S Wales Ltd
	Penwyllt* **	Limestone SN856157	Tarmac Western Ltd
	Penderyn	Limestone SN956139	Hanson Aggregates S Wales Ltd
	Blaen Onneu* **	Limestone SN155170	Hanson Aggregates S Wales Ltd
Bridgend C.B.C. (Mid Glamorgan)	Cornelly Quarry	Limestone SS832800	Cambrian Stone-Tarmac
	Gaens Quarry	Limestone SS822805	T S Rees Ltd
	Grove Quarry*	Limestone SS822798	Tarmac Western Ltd
	Cefn Cribbwr	Sandstone SS874828	T S Rees Ltd
	Stormy Down* ** §	Limestone SS842805	Hobbs Holdings Ltd
Caerphilly C.B.C. (Gwent & Mid Glam)	Machen	Limestone ST225885	Hanson Aggregates S Wales Ltd
	Hafod	Sandstone ST224965	Redland Aggregates Ltd
	Bryn (Gelliargwellt Uchaf)	Sandstone ST126964	A Price & Co
	Cefn Onn* ** §	Limestone ST175852	Wyndham Lewis Trust
	Cwm Leyshon* **	Limestone ST210868	Hanson Aggregates S Wales Ltd
Cardiff C.C. (South & Mid Glam)	Blaengwnlais*	Limestone ST146841	Tarmac Western Ltd
	Creigiau*	Limestone ST087817	Tarmac Western Ltd
	Cefn Garw*	Limestone ST146841	Glen Harry Haulage Ltd
	Taffs Well	Limestone ST122822	Cemex Ltd
	Ton Mawr	Limestone ST118829	T S Rees Ltd
	Roath Basin	Marine Sand ST188732	Vemex Ltd
	Brassways Wharf	Marine Sand ST188732	Hanson Aggregates S Wales Ltd
	Rover Way	Slag/Secondary ST208760	Sims Metal
Carmarthenshire C.C. (Dyfed)	Blaen-y-Fan*	Limestone SN455115	RMC Aggregates S Wales Ltd
	Cilyrychen & Glanwenlais*	Limestone SN613165	Tarmac Western Ltd
	Coygen**	Limestone SN286092	F H Gilman Ltd
	Crwbin*	Limestone SN476137	RMC Aggregates S Wales Ltd
	Torcoed/Torcoed Fawr	Limestone SN495140	Tarmac Western Ltd
	Capel* §	Limestone SN560153	P Jones
	Castle* §	Limestone SN534150	Hobbs Holdings Ltd
	Garn Bica* **	Limestone SN518146	Mr Jones
	Hengoes* ** §	Limestone SN447102	Mr Lloyd
	Limestone Hill* ** §	Limestone SN468125	Mr D.R. Williams
	Llwynyfran* §	Limestone SN257216	Hobbs Holdings Ltd
	Maesdulais* §	Limestone SN518145	Hobbs Holdings Ltd
	Penybanc* ** §	Limestone SN470130	Mr S Davies
	Pwllymarch* §	Limestone SN259216	Mr Wilkins
	Ty'r Garn* ** §	Limestone SN502141	G Morgan
	Ty Hywel**	Sandstone SN598446	Messrs Williams & Sons
	Foundry Road*	Sand & Gravel SN634121	Mr A R Llewellyn
	Mynydd-y-Garreg*	Sandstone SN434085	Kidwelly Town Council
Coedmoelon	Sandstone SN250212	Mr N Richards	
Capel Graig	Shale SN245202	Msrs KMD + AW Gower	



Table 11 (continued)
Sites Included in 2005 Aggregates Minerals Surveys

MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator
Carmarthenshire C.C. (Dyfed)	Pennant	Sandstone SN483069	Phil Bowen
	Alltygarn* **	Sandstone Silica SN587157	Bardon Aggregates
	Crosshands* ** §	Sandstone SN 586155	Mr Edwards
	Cynghordy* ** §	Sandstone/Shale SN794403	D Roderick
	Danylan**	Sandstone SN524141	Platinum Base Ltd
	Dinas*	Sandstone SN627354	Tarmac Western Ltd
	Foelfach	Sandstone SN391257	Elvet Jones
	Garn* ** §	Sandstone SN499136	Mrs Hibbert
	Nantyrhyddod* ** §	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	Towy Sand + Gravel Ltd
	Glantowy* ** §	Sand & Gravel SN746323	D A Lewis
Burry Port	Marine Sand SN462007	Llanelli Sand Dredging Ltd	
Ceredigion C.C. (Dyfed)	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
Merthyr Tydfil C.B.C. (Mid Glam)	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
Monmouthshire C.C. (Gwent)	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
Neath-Port Talbot C.C. (West Glam)	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

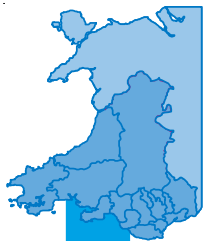


Table 11 (continued) Sites Included in 2005 Aggregates Minerals Surveys				
MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator	
Newport C.B.C. (Gwent)	Penhow Quarry* Eastern Wharf Brassways Wharf Great Western Wharf Llanwern Works Llanwern Maesglas (Mon Bank 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	
	Pembrokeshire Coast National Park (Dyfed) 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	
Pembrokeshire C. C. (Dyfed)	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	
	Powys C. C. (Powys)	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 Powis Estate Powis Estate Caerfagu Products Ltd

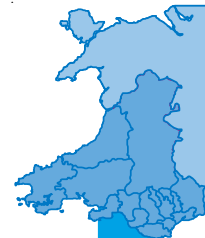
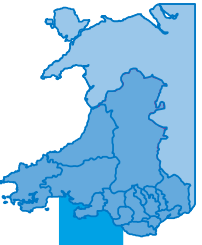
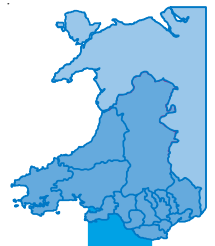


Table 11 (continued)
Sites Included in 2005 Aggregates Minerals Surveys

MPA (Former County)	Site * Inactive: no output ** Estimated data § Dormant	Mineral Type	Operator
Rhondda-Cynon-Taff C.B.C (Mid Glam)	Forest Wood Hendy Craig yr Hesg	Limestone ST015798 Limestone ST054810 Sandstone ST079919	Hanson Tarmac Western Ltd Hanson Aggregates S Wales Ltd
Swansea City C.C. (West Glam)	Barland* ** Swansea Docks Swansea Docks	Limestone SS576895 Marine Sand SS673924 Marine Sand SS 673924	Cuddy British Dredging Aggregates Ltd United Marine Aggregates Ltd
Torfaen C.B.C. (Gwent)	-----	-----	-----
Vale of Glamorgan C. (South & Mid Glam)	Aberthaw Garwa Farm* Lithalun Pantyffynnon 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 Lafarge 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 npower

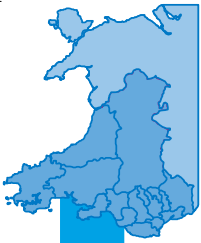




APPENDIX B

MEMBERS OF THE SOUTH WALES REGIONAL AGGREGATES WORKING PARTY

(as at November, 2006)



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

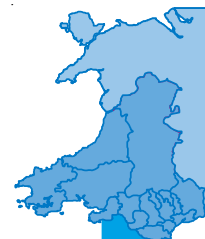
Head of Planning, Environment
& Economic Development Department
Carmarthenshire County Council
(represented by H Towns)

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 L Christian)*

Roger Barrett-Evans

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

Ifor Jones

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

Gareth W Thomas

*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

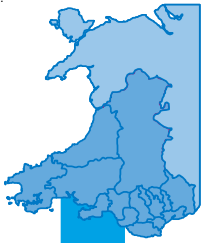
*Head of Planning & Transportation
Vale of Glamorgan
(represented by M Lucas)*

W Towell

*Representative QPA
Quarry Products Association*

K Hobden

*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)

Carolyn Warburton/S Martin
Welsh Assembly Government

Peter Bide
Department of Communities and Local Government

Jason Golder
Crown Estate

British Geological Survey

J Cuddy
Cuddy Demolition & Dismantling

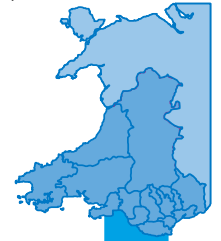
A Wilkes
Environment Agency Wales

Karen Maddock-Jones
Countryside Council for Wales

P Huxtable
British Aggregates Association

G Reay
National Ash

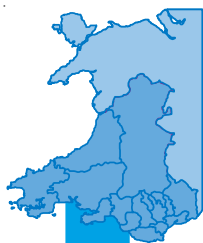
G Bishop
Welsh Environment Trust



APPENDIX C

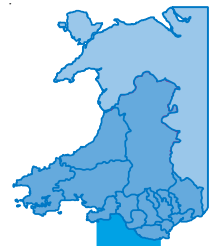
REPORTS PRODUCED BY THE SOUTH WALES REGIONAL AGGREGATES WORKING PARTY

(copies are available from the Secretary)



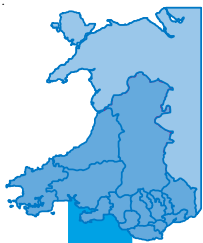
REPORTS PRODUCED BY SOUTH WALES REGIONAL AGGREGATES WORKING PARTY

1.	Interim Report	<i>September 1977</i>	£1.50
2.	Supplement to Interim Report	<i>December 1977</i>	£1.00
3.	Regional Commentary (Part I)	<i>December 1980</i>	£2.00
4.	Regional Commentary (Part II)	<i>August 1981</i>	£2.00
5.	1981 Aggregates Mineral Survey	<i>December 1983</i>	£2.00
6.	1985 Aggregates Mineral Survey	<i>March 1987</i>	£2.00
7.	AM85 Analysis and Commentary	<i>December 1987</i>	£2.00
8.	Marine Dredging	<i>March 1989</i>	£5.00
9.	1989 Aggregates Mineral Survey	<i>October 1990</i>	£5.00
10.	AM89 Regional Commentary	<i>January 1992</i>	£10.00
11.	Progress Report For 1990 - 1991	<i>October 1992</i>	£5.00
12.	Progress Report for 1992	<i>September 1993</i>	£5.00
13.	1993 Aggregates Minerals Report	<i>August 1994</i>	£5.00
14.	Guidelines for Aggregates Provision in South Wales	<i>March 1995</i>	£5.00
15.	Annual Report 1995	<i>March 1997</i>	£5.00
16.	Annual Report 1996	<i>March 1998</i>	£7.00
17.	Annual Report 1997	<i>August 1999</i>	£10.00
18.	Annual Report 1998	<i>March 2000</i>	£10.00
19.	Annual Report 1999	<i>November 2000</i>	£10.00
20.	Annual Report 2000	<i>October 2001</i>	£10.00
21.	Annual Report 2001	<i>November 2002</i>	£12.50
22.	Annual Report 2002	<i>August 2003</i>	£12.50
23.	Annual Report 2003	<i>August 2004</i>	} Available free see website (www.swrawp-wales.org.uk)
24.	Annual Report 2004	<i>June 2006</i>	
25.	Annual Report 2005	<i>February 2007</i>	



APPENDIX D

**-POLICY OBJECTIVES-
OF THE
SOUTH WALES
REGIONAL AGGREGATES
WORKING PARTY**



-POLICY OBJECTIVES- OF THE SOUTH WALES R.A.W.P.

1. Aim

The core aim will be to provide the secretariat and technical services necessary for the effective functioning of the Regional Aggregates Working Party (RAWP) in South Wales. In order to function effectively, the RAWP requires the services of a dedicated technical secretariat. Specific intermediate objectives aimed at delivering the core objectives are set out below.

2. Objective 1: Administration and Liaison

(i) **RAWP meetings:** To organise a minimum of 2 meetings each year of the South Wales RAWP together with sub-group meetings as required in liaison with the Chairman and members including:

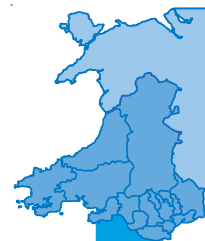
- fixing date and venue of the meeting;
- circulating the agenda and papers;
- drafting related correspondence and papers as necessary;
- providing and circulating a draft minute of the meeting within 2 weeks of the meeting;
- revising and circulating minutes to take account of members comments;
- ensuring minutes are available to the public for inspection.

(ii) **Liaison:** To liaise with other Mineral Planning Officers in the region and RAWP secretaries in Wales and England; to attend at least 1 meeting with the nominated officer of the Welsh Assembly Government and North Wales RAWP secretary per year; meeting each year with English and Welsh RAWP secretaries as necessary, and draft related correspondence as required.

(iii) **Input into national guidance on aggregates provision:** To help the RAWP make an appropriate contribution to the preparation of national guidance by advising on the demand for and supply of aggregates in the region. It will be expected that the Technical Secretary will attend appropriate and relevant seminars and conferences that may assist in the development of RAWP work (in cases of doubt the approval of attendance will be confirmed by the Assembly's nominated officer).

(iv) **Default arrangements:** To ensure that regular liaison with other mineral planning officers is undertaken to secure progress on monitoring and reporting work. In the event of adequate progress, it may be necessary for additional work to be undertaken by the RAWP Technical Secretary in consultation with the nominated officer and RAWP members.

(v) **Joint Voluntary Arrangements of Local Authorities:** To administer the arrangements for establishing joint voluntary arrangements of local authorities to assess the draft Regional Technical Statement for Aggregates at 5(ii) below to provide a context for proper consideration of land use issues relating to aggregates provision in unitary development plans. All local authorities in the region should be represented with a view to reaching a consensus about



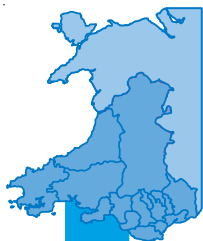
the recommendations for the region in the RTS. This will then need to be agreed by each constituent local authority; each local authority in the region should then include in its own unitary or local development plan elements of the agreement or if individual local authorities do not accept the RTS, the Welsh Assembly Government will consider its default powers to intervene in the planning process as a last resort.

3. Objective 2: Research - Monitoring

- (i) **Annual primary aggregates surveys:** To organise, co-ordinate and collate annual surveys of the production of primary aggregates (including marine dredged aggregates) and reserves of aggregates undertaken by mineral planning authorities. In years when the 4-yearly Aggregates Monitoring Surveys are carried out, the annual surveys of primary aggregates production will not be necessary;
- (ii) **AM2005 and AM2009:** To support AM2005 by distributing survey forms to mineral planning officers and ensuring that forms are forwarded to operators, and that returns are timely, accurate and collated as required. To initiate a similar survey for AM2009 subject to further discussion and agreement with Assembly officials and RAWP members;
- (iii) **Road planings:** To carry out an annual survey of the arisings and re-use of road planings;
- (iv) **Alternative materials:** To identify and monitor the key regional sources of alternative material with potential for use as aggregates (other than construction and demolition waste and road planings but including minerals used as non-aggregates), identify key contacts, maintain an up-to-date list of sources of materials with potential for aggregates use and collect reliable information on arisings and actual potential use of such material as aggregates;
- (v) **Development Plans:** To monitor UDPs/LDPs and future development programmes and major proposals to determine regional demand for aggregates and any potential shortfall of supply;
- (iv) **Planning decisions:** To monitor mineral planning decisions determined since the previous RAWP report.

4. Objective 3: Research - Assessment

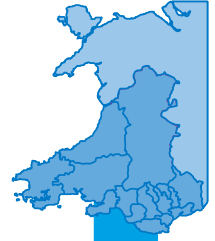
- (i) **Demand/supply of aggregates:** To assess the prospects for changes in the demand and supply of all types of aggregates in the region;
- (ii) **Landbanks:** To assess reserves of primary aggregates in active and dormant sites and the likelihood of dormant reserves being reactivated;



- (iii) **Alternative materials:** To assess the use of secondary and recycled materials (including construction and demolition waste) as aggregates through liaison with WET, to consider ways of improving data collection and increasing use of such materials as aggregates, including an assessment of each unitary authority's capacity and success in recycling materials as aggregates;
- (iv) **Environmental capacity:** To assess the environmental capacity of each unitary authority in the region to meet the demand for aggregates.

5. Objective 4: Reporting

- (i) **Annual reports:** To prepare and publish an annual report that takes account of the comments of RAWP members as hard copy and electronic versions. The minimum content should be as follows:
 - a report on the assessment undertaken in relation to Objective 3(i) and (ii) above, and the monitoring of the assessment of environmental capacity in Objective 3(iv) above following the publication of the Regional Technical Statement in (ii) below;
 - a calculation of the regional and individual mineral planning authority landbank situation based on reserves, production and agreed allocations as at 31 December each year (subject to compliance with agreements relating to confidentiality of information);
 - information on alternative sources of aggregates including road planings;
 - a summary of progress and relevant content in relation to aggregates in the preparation of development plans in the region;
 - a comprehensive list of active and inactive sites producing aggregates in the region;
 - a list of mineral planning permissions (including those relating to mineral review applications) determined since the previous RAWP report;
 - a list of planning proposals and permissions approved for major construction projects that may have a regional influence on the demand for aggregates.
- (ii) **Regional Technical Statement:** To prepare and publish a Regional Technical statement in 2007 to set out:
 - the results of the regional assessment of the environmental capacity of each unitary authority to contribute to an adequate supply of primary aggregates;
 - to provide a strategy for the provision of aggregates in the region in accord with that regional assessment, with allocations of future aggregates provision for each mineral planning authority area, if appropriate, to provide a strategic base for future development plans;
 - to assess current and future imports and exports of aggregates;
 - to assess the current and future contribution of marine aggregates; and
 - to advise the Assembly on the potential in each region in Wales for increasing the use of alternative materials in place of primary aggregates.



6. Intermediate Objectives:

Will be subject to review and change at the end of each year in light of the assessments carried out in 7(ii) below.

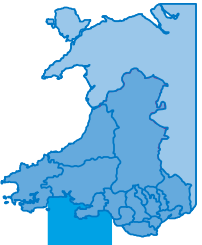
7. Contract Monitoring Objectives:

Monitoring will consist of:

- (i) a minimum of three-monthly meetings with Assembly officials in Cardiff at which the progress against core and intermediate objectives is reviewed and appraised (one of these meetings will be arranged jointly with the other Welsh RAWP Secretary as in Objective 1(ii) above);
- (ii) submission of an annual monitoring report within 3 months of end-year to incorporate evidence-based assessment of work carried out. The annual report at the end of the contract period shall include a summary of the objectives achieved throughout the contract period;
- (iii) submission of mid-year progress report to show the extent the objectives are being achieved (or reasons for any shortfall) and an interim income and expenditure account and forecast.

8. Evaluation Objectives:

An evaluation programme will be developed in line with the monitoring objectives identified in paragraph 7 above.



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