

**North Wales Regional  
Aggregates Working Party**

**Annual Report  
2023**

**Published May 2025**

## **Acknowledgement**

The North Wales Regional Aggregate Working Party (NWaRAWP) wishes to acknowledge the financial support of the Welsh Government, which has enabled this report to be coordinated and published by Flintshire County Council. The NWaRAWP also wishes to record its thanks to all those in the industry and the Mineral Planning Authorities in the North Wales region who have contributed to the production of the report.

The statistics and statements contained in this report are based on information from a large number of mainly third-party sources and are compiled to an appropriate level of accuracy and verification. Users of this report should obtain corroborative data before making major decisions based on the information.

This Annual Report covers the calendar year 1<sup>st</sup> January 2023 to 31<sup>st</sup> December 2023. During that period the North Wales Regional Aggregates Working Party (NWaRAWP) officers were:

Chairman:	Andrew Farrow, Planning, Environment & Economy, Flintshire County Council, Tŷ Dewi Sant, St. Davids Park, Ewloe, CH5 3FF
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Technical Secretary:	Hannah Parish, Planning, Environment & Economy, Flintshire County Council, Tŷ Dewi Sant, St. Davids Park, Ewloe, CH5 3FF
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Copies of the report are available electronically on the NWaRAWP web site  
<http://www.nwrawp-wales.org.uk>

## **Terms of Reference for the NWaRAWP**

1. To assess the total sand and gravel, and hard rock reserves available in the region suitable for aggregate production (i.e. 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.
2. To monitor the production and sales of aggregate minerals within the region.
3. To assess the extent of imports of aggregates from other regions.
4. To assess the likely demand for aggregates and to indicate whether, current permitted reserves are likely to be adequate.
5. To hold at least one RAWP meeting per year, with membership to include representatives from, Welsh Government, MHCLG, MPAs, MPAW, BAA, NRW and such other representatives as appropriate.
6. To produce, supply and publish on the North Wales RAWP website an Annual Monitoring Report containing core information to inform stakeholders in a consistent manner of the findings of the annual survey.
7. To support the National Minerals surveys, which include all inter-regional movements of aggregate, in years when such surveys are carried out.

In addition, the North Wales RAWP is charged with carrying out a number of specific duties set out in the Minerals Technical Advice Note 1 (MTAN1) and in particular those described in Annex A of MTAN 1 which include the monitoring of aggregate production, the assessment of demand and supply, and the preparation of Regional Technical Statements every five years.

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## EXECUTIVE SUMMARY

### Reserves

The report indicates that reserves are steadily declining for all types of aggregate, however with ownership changes, some reserves have been re-assessed. Furthermore, no new reserves have been granted to replenish the reserves. Production of crushed rock is dominated by Flintshire, although new reserves of limestone are required to meet projected demand in Flintshire and Anglesey. There remains an imbalance in sand and gravel reserves with production being dominated by output in Wrexham. Based on the data contained within the Regional Technical Statement Second Review (RTS2), new sand and gravel reserves are likely to be required in Gwynedd, Flintshire and Wrexham. With regards to crushed rock, reserves of Limestone are declining faster than the replenishment rate and RTS2 indicates that new crushed rock reserves will be required in the Gwynedd and Flintshire areas.

### New Permissions during 2023

No new permissions of major significance were granted in 2023.

### Landbanks

Landbank figures of total aggregate including both crushed rock and sand and gravel for North Wales have shown an improvement compared to 2022 figures. The total landbank for North Wales is 26 years. The landbanks for aggregate by type amount to: limestone; 18 years, granite; 87 years and for sand and gravel; 15 years.

### Markets

The main markets for aggregates remain NE Wales and NW England, with Limestone being the main commodity sold. Granite sales remain depressed due to lack of rail ballast contracts, excepting high PSV uses. Slate sales remain steady with fill, decorative and local markets.

### Major developments 2023

A table showing all major projects across the region which were consented in 2023 can be found in appendix 6.

Other known major infrastructure projects in the region that have been consented include the Awel y Mor offshore windfarm. Those infrastructure/Nationally Significant Infrastructure Projects in the consenting process include the Mona offshore windfarm and onshore wind farms including the Clocaunog Dau, Gaerwen and Alwen Forest. The Mersey Tidal Barrage is also going through the consenting stage.

The Freeport status at Holyhead may also have an impact on increased demand for aggregates. As would a third crossing of the Menai Straights if this comes to fruition. There are still some uncertainties as to whether Wylfa B Power station will be required. The draft North Wales Transport Plan (2025) includes the 'Red Route' proposed for the A55 in Flintshire which would include a new eight mile stretch of dual carriage way linking the A55 at Northop with the A494 and A550. Improvement and modification works include upgrading of the A548 over the Flintshire Bridge at Connah's Quay.

# 1 INTRODUCTION

- 1.1 This report, by the North Wales Regional Aggregates Working Party (NWARAWP) and **covers the calendar year for 2023.** Each year the NWaRAWP co-ordinates the aggregate sales information received from all mineral operators across the North Wales region. The work of the NWaRAWP has been funded by Welsh Government (WG) since April 2002. At the time of writing the report, the current grant funding runs until 2025.
- 1.2 The collated information in this report makes a significant contribution to the ongoing study of supply and demand patterns and provides a vital input into the monitoring and review of Welsh Government's policy for aggregates enshrined in Planning Policy Wales and amplified in Minerals Technical Advice Note 1: Aggregates (MTAN1). It also assists in the monitoring of progress towards the achievement of the recommendations set out in the *Regional Technical Statement – Second Review (RTS2) – September 2020*. This information is also necessary to Local 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 made available to the general public and industry, the latter using it to assist in planning new investment.
- 1.3 The Mineral Products Association Wales (MPAW) has issued advice to its members in relation to the confidentiality of data on aggregates supply which is supplied to Local Planning Authorities in response to the annual aggregate working party survey. All data is provided on a 'Commercial in Confidence' basis and can be used by Local Planning Authorities for purposes associated with their planning functions so long as it prevents data being ascribed to individual planning units, unless specific permission to use the data is given by the operator. The British Aggregates Association has always encouraged members to fully disclose relevant information.
- 1.4 This report is intended for use by those involved with the supply and demand of aggregates for the construction industry. It provides statistics and information which:
- assist government in its aim of developing robust and relevant aggregate mineral policies,
  - allows mineral planning authorities to carry out their statutory functions in respect of the preparation of development plans and effective development management in relation to mineral extraction,
  - assists the industry with the planning of future development and investment
- 1.5 The report may also be of use and interest to the general public and those bodies carrying out research into matters related to the supply and demand of aggregates.

- 1.6 The report includes aggregate sales for the calendar year 2023, and permitted reserves as at 31 December 2023. Reserve data in this report is generally as provided by quarry operators or is calculated by MPAs based on information provided in previous years with sales for subsequent years deducted. 2023 is an Aggregate Monitoring year, data collected for this report was done so in conjunction with the British Geological Society (BGS) (AM2023).
- 1.7 A good level of returns was again received for the 2023 survey and in the majority of cases a high level of detail was provided. Therefore, the sales, reserve and distribution figures for those sites included in the survey are all believed to be reasonably robust unless specifically indicated to the contrary. In some instances, the data provided does not detail for sales by product type. In these instances, the return is normally categorised as 'other' or 'general fill' or 'unknown'. It is therefore possible that the constructional fill figures are an overestimate, with other areas being underestimates. The majority of the significant operating quarries have provided detailed data, on the grades of product, and therefore held to be reliable, and a robust indicator of the types of products consumed by the construction industry.

## **2 NORTH WALES REGIONAL AGGREGATES WORKING PARTY (NWaRAWP)**

- 2.1 The NWaRAWP is one of two such groups in Wales and is complemented by nine similar aggregate working parties in England. The NWaRAWP region covers six unitary authority areas: Anglesey; Gwynedd; Conwy; Denbighshire; Flintshire and Wrexham plus Eryri (formerly Snowdonia National Park). Each authority is also the Mineral Planning Authority Wales (MPAW). The NWaRAWP is one of eleven Aggregate Working Parties (AWPs) in England and Wales which provide information and advice to the Ministry of Housing, Communities and Local Government (formerly, Department for Levelling Up, Housing and Communities). The AWP's are co-ordinated by the National Aggregate Co-ordinating Group (NACG) which provides a forum for debate and discussion about matters relevant to the effective running of the working parties throughout Wales and England and has now been extended to include Scotland.
- 2.2 During 2023, the NWaRAWP appointed a new Secretary. During this time, members of the North Wales Minerals and Waste Shared Planning Service, (hosted by Flintshire County Council) assisted the Secretary to the requirements of the WG Contract.

### **Membership**

- 2.4 The membership of the NWaRAWP is drawn from officers of the MPAs, the aggregates extraction industry via the Mineral Products Association Wales (MPAW), British Aggregates Association (BAA) and independent companies; the Welsh Government (WG), the British Geological Survey (BGS), representatives of the construction and demolition industry, the marine aggregates producers, The Crown Estate, Natural Resources Wales (NRW) and the South Wales RAWP (SWRAWP). It is not a policy making body. A list of members at the date of publication of the report is provided at Appendix 5.



### 3 AGGREGATE SALES 2009 – 2023 AND SURVEY RESULTS FOR 2023

#### Sales

- 3.1 Table 1 shows the total aggregate sales from the region and sub-divided into North West Wales and North East Wales sub-regions. The sub-regional figures are included because, in general terms, both sub-regions exhibit individual characteristics in terms of rock type and market profile. North West Wales traditionally relies mainly on metamorphic (slate waste, reported later in the report) and igneous rock (granite) for crushed rock aggregate. In North East Wales, limestone is the main source of crushed rock of which a high proportion is exported from the region.

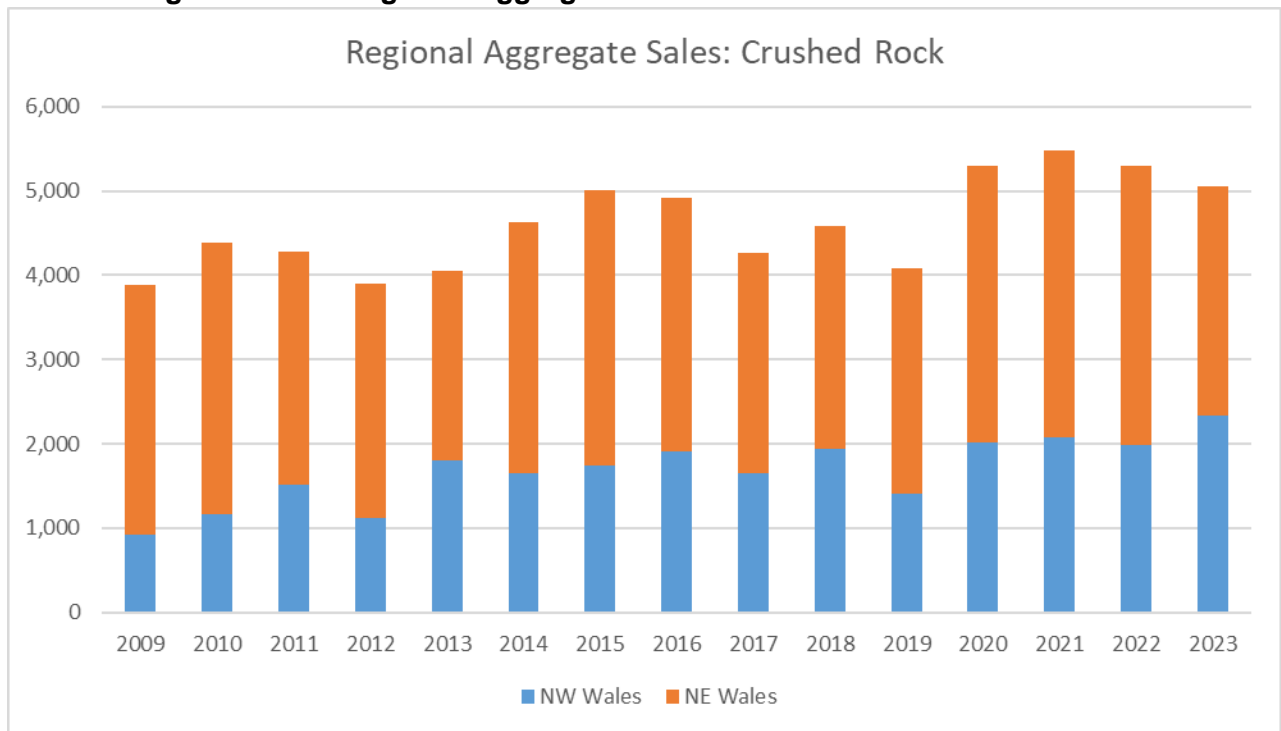
**Table 1: Aggregates Sales – North Wales Region 2009 – 2023 (000 tonnes)**

	SAND&GRAVEL			CRUSHED ROCK			TOTAL
Year	NW Wales	NE Wales	Total N Wales	NW Wales	NE Wales	Total N Wales	Aggregate Sales
2009	*	*	631	919	2,970	3,889	4,520
2010	*	*	696	1,162	3,219	4,381	5,077
2011	*	*	673	1,520	2,764	4,284	4,957
2012	*	*	620	1,122	2,771	3,893	4,513
2013	*	*	663	1,796	2,256	4,052	4,715
2014	*	*	922	1,644	2,980	4,624	5,546
2015	*	*	972	1,737	3,266	5,003	5,975
2016	*	*	756	1,913	3,009	4,922	5,678
2017	*	*	844	1,652	2,612	4,264	5,108
2018	*	*	828	1,945	2,638	4,583	5,411
2019	*	*	988	1,411	2,672	4,083	5,071
2020	*	*	793	2,022	3,277	5,299	6,092
2021	*	*	785	2,082	3,403	5,485	6,270
2022	*	*	674	1,982	3,321	5,303	5,977
2023	*	*	851	2,334	2,723	5,057	5,908

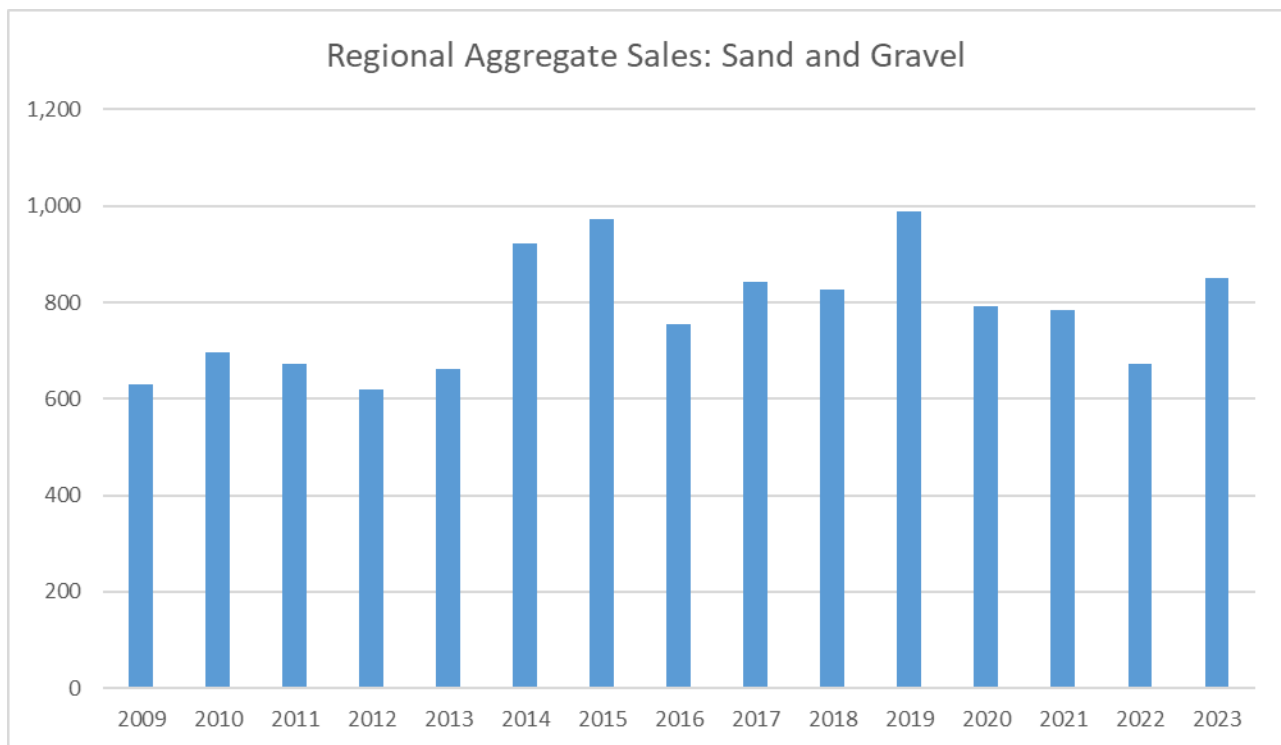
\*NW & NE Wales S&G combined for confidentiality

- 3.2 Figures 1 and 2 show the contribution of the sub-regions to crushed rock, and sand and gravel sales respectively. The average sales for sand and gravel from 2009 to 2023 is 780,000 tonnes, and for crushed rock is 4,680,000 tonnes. The mean average of total aggregate sales for North Wales is 5,388,000.
- 3.3 Crushed rock sales for 2023 saw a 5% decrease on 2022 sales. Sand and gravel sales showed an increase in sales of 26% when compared with 2022 sales.

**Figure 1: Sub-Regional Aggregate Sales 2009-2023 - Crushed Rock**



**Figure 2: North Wales Aggregate Sales 2009-2023 - Sand and Gravel**



## Sales by Unitary Authority Area

- 3.4 In terms of production within MPA areas, which is set out in Tables 2.1 and 2.2, it is not possible to provide an analysis of sand and gravel sales based on MPA areas due to commercial confidentiality. Crushed rock sales analysis suggest that overall sales have decreased on 2022 data as shown on Table 2.1.

**Table 2.1: Aggregate Sales by Mineral Planning Authority area 2009 – 2023 Crushed Rock**  
(Tonnes)

Year	Anglesey	Gwynedd	Snowdonia	Conwy	Denbighshire	Flintshire	Wrexham	Total N Wales
2009	267,595	651,845	-	677,544	424,691	1,868,299	-	3,889,974
2010	197,425	965,101	10,264	906,160	649,471	1,753,519	-	4,481,940
2011	230,006	875,812	10,264	844,705	491,250	1,831,813	-	4,283,850
2012	209,897	679,034	10,264	788,443	377,427	1,827,235	-	3,892,300
2013	204,872	680,375	10,264	900,492	277,820	1,977,751	-	4,051,574
2014	229,890	623,570	10,000	738,969	21,671	2,957,876	-	4,581,976
2015	252,390	714,617	10,624	819,900	21,671	3,244,935	-	5,064,137
2016	281,637	743,489	8,000	879,532	86,434	2,922,399	-	4,921,491
2017	285,620	741,898	8,000	616,912	217,476	2,394,317	-	4,264,223
2018	373,000	713,394	8,000	851,294	233,052	2,586,139	-	4,764,879
2019	452,735	201,668	8,000	757,453	138,616	2,533,739	-	4,092,211
2020	919,718	*	-	1,102,099	233,932	3,042,616	-	5,298,365
2021	1,077,998	*	-	1,003,863	268,415	3,134,999	-	5,485,275
2022	1,062,646	*	-	919,899	529,338	2,791,313	-	5,303,196
2023	1,212,563	*	-	1,121,048	603,568	2,119,725	-	5,056,904

\*Anglesey and Gwynedd combined for confidentiality

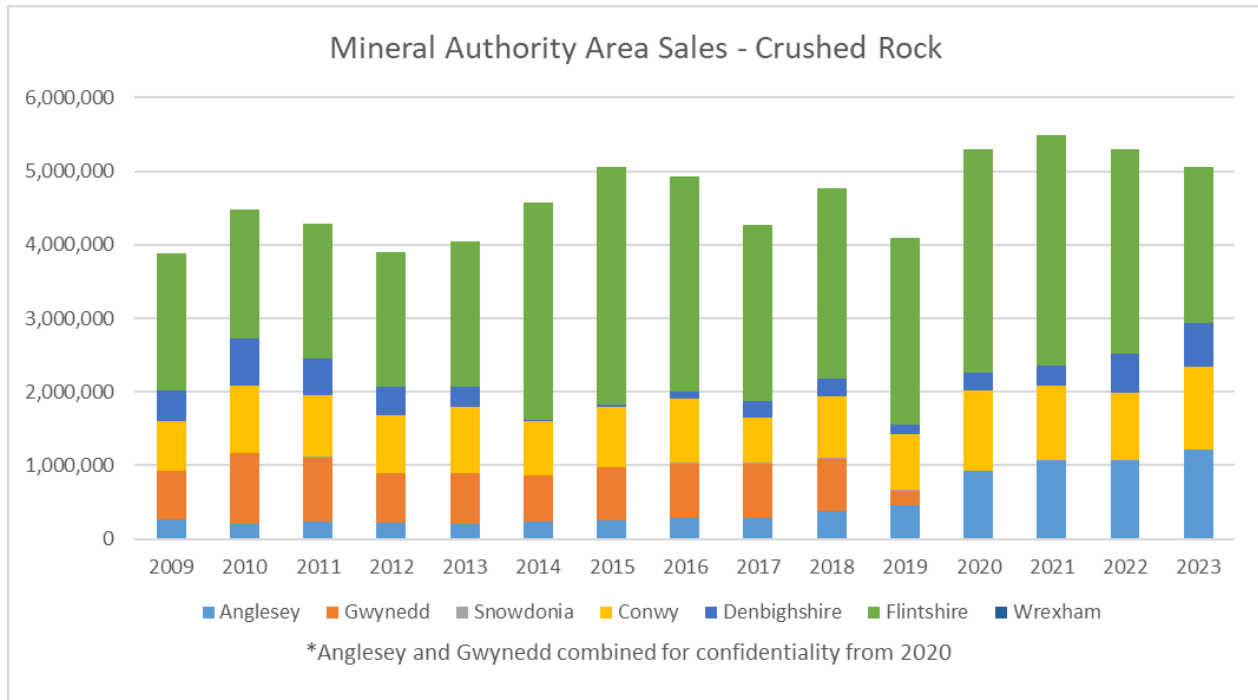
**Table 2.2: Aggregate Sales by Mineral Planning Authority area 2009 – 2023 Sand & Gravel**  
(Tonnes)

Year	Anglesey	Gwynedd	Snowdonia	Conwy	Wrexham	Flintshire/ Denbighshire/ Wrexham/ Gwynedd	Total N Wales
2009	-	-	-	-	-	631,244	631,244
2010	-	-	-	-	-	696,273	696,273
2011	-	-	-	-	-	673,513	673,513
2012	-	-	-	-	-	620,374	620,374
2013	-	-	-	-	-	662,085	662,085
2014	-	-	-	-	-	922,222	922,222
2015	-	-	-	-	-	972,098	972,098
2016	-	-	-	-	-	755,937	755,937
2017	-	-	-	-	-	843,907	843,907
2018	-	-	-	-	-	827,554	827,554
2019	-	-	-	-	-	988,430	988,430
2020	-	-	-	-	-	793,013	793,013
2021	-	-	-	-	-	784,622	784,622
2022	-	-	-	-	-	674,374	674,374
2023	-	-	-	-	-	851,471	851,471

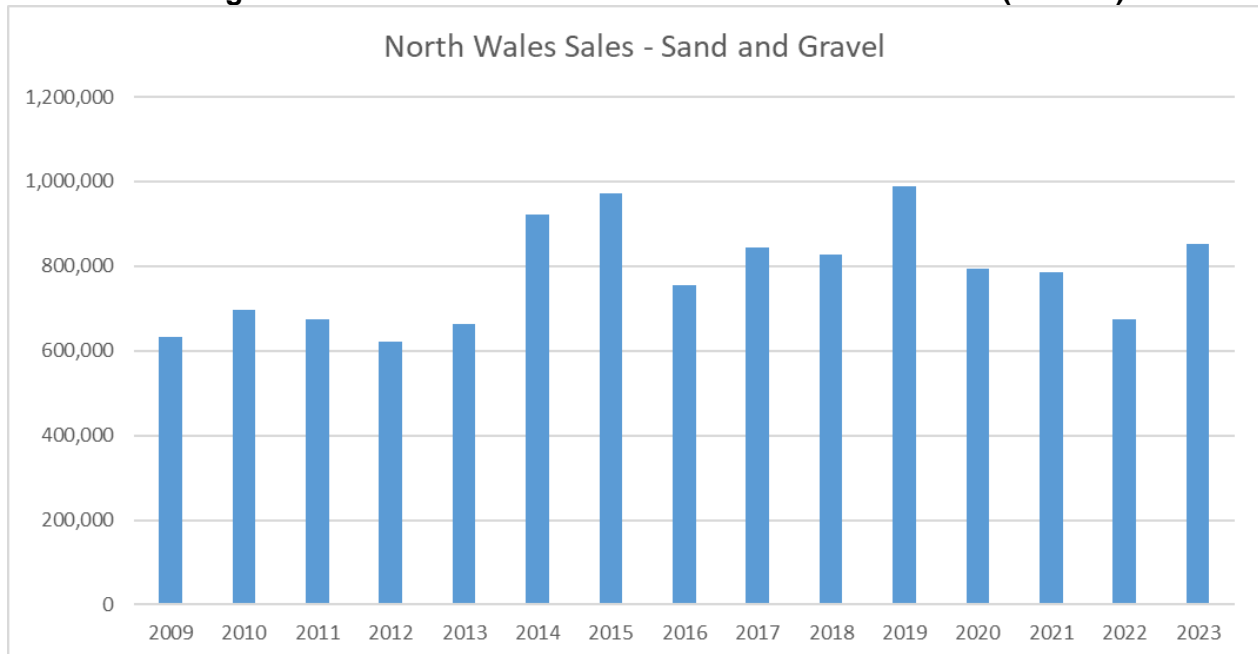
- 3.5 Figures 3 and 4 show the contribution made to primary aggregates supply by each authority area for crushed rock and sand and gravel. Flintshire remains the main producer of crushed rock, providing about 42% of the regional output. Figure 4 does not provide a detailed analysis by local authority area. However, Wrexham continues to be

the largest producer of sand and gravel, with the other producing areas being Flintshire and Gwynedd. There are no sand and gravel sites in Denbighshire, Conwy, Eryri or Anglesey.

**Figure 3: Mineral Authority Area Sales 2009-2023 – Crushed Rock (Tonnes)**



**Figure 4: North Wales Sales 2009-2023 - Sand and Gravel (Tonnes)**



- 3.6 Sand and gravel sales on a North Wales basis are illustrated in Figure 4. Overall sales of sand and gravel have increased by 26% compared with 2022 sales. Due to confidentiality arising from the number of sites, it is no longer possible to report for individual unitary authorities, or to report at a sub-regional level due to the limited number of operational sites and operating companies. Sand and gravel is now produced only in Wrexham, Flintshire and Gwynedd, with the majority of production in Wrexham. This reduces the effectiveness of the survey analysis, and may lead to incorrect assumptions on capacity, need and markets for sand and gravel. Whilst the landbank of permitted reserves is apparently healthy on an all North Wales basis, the spatial imbalance of permitted reserves masks shortfalls in local authority areas west of Wrexham. Haulage costs are a barrier in supplying sand and gravel produced in Wrexham and Flintshire to the west of the region, where their main markets are located within the east of the region and in Cheshire/North West of England.
- 3.7 The BGS Mineral Resources Map of Wales, has identified a wide range of sediments which have potential as sources of natural aggregate. Within NW Wales, more specific potential resource blocks have been identified in detailed studies carried out for the National Assembly for Wales by the University of Liverpool in 1988 and 2003. These are not necessarily the only potential resources, but they are the most rigorously assessed.
- 3.8 The Sand and Gravel Resources of North West Wales report was commissioned by the National Assembly for Wales to evaluate the location and volume of potentially workable resources of land-based, fine-grained mineral aggregate in the area of the Mineral Planning Authorities of Anglesey County Council, Conwy County Borough Council, Cyngor Gwynedd and Eryri; to examine the commercial potential of the resources; to identify the environmental constraints on future exploitation and to make recommendations on the most appropriate means of safeguarding the resources. From a review of existing data, ten areas were identified which were considered likely to yield potential mineral.
- 3.9 Altogether, some 530 million tonnes of potential mineral resources were identified, divided into 270 million tonnes of sand and 260 million tonnes of gravel. At the county level, 92% of potential mineral occurs in Gwynedd, with Conwy and Anglesey together providing less than 8% and Eryri virtually none. At the local level the greatest concentration of resources, more than 75 % between them, occur in only three areas: Cors Geirch north of Pwllhelli; south of Nefyn and Penygroes, all in Gwynedd.
- 3.10 In North Wales, very little marine-dredged sand & gravel is used. However, the dredgings landed at Porth Penrhyn, Bangor have played an important role in the supply of soft building or mortar sand for Gwynedd and Anglesey for many years, given the coarse nature of the sand deposits in the northern Llyn area.

## Aggregate End Uses

3.11 Tables 3.1, 3.3, 3.5, and 4 set out the end uses of the primary aggregate sales for limestone, granite and sand and gravel. In the case of crushed rock (which includes limestone and granite), a full breakdown of end uses was provided by the majority of operators. with an unknown end use have been combined with sales for other constructional uses. With regard to sand and gravel sales, a complete breakdown of end uses was also provided.

### Crushed Rock - Limestone

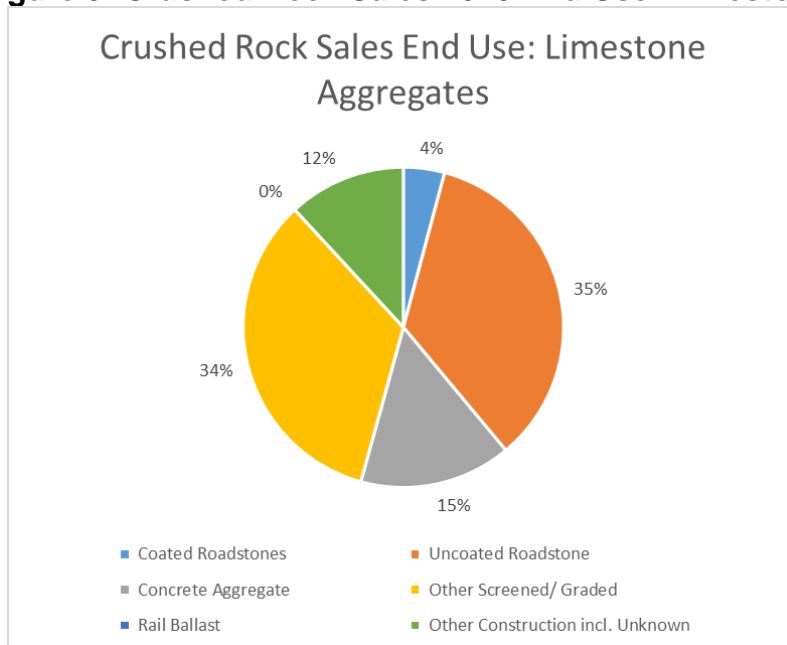
3.12 Table 3.1 and Figure 5 illustrate limestone aggregate end use. Figure 5 illustrates that Roadstone (coated and uncoated) accounts for 39% of limestone sales, concrete aggregate 15% of limestone sales and graded screened aggregate accounting for 34% of sales. Other construction including unknown uses accounted for 12% of sales.

**Table 3.1: Crushed Rock Sales, Limestone: N Wales 2023**

All figures tonnes

Product	TOTAL
Coated Roadstones	155,526
Uncoated Roadstone	1,303,656
Concrete Aggregate	574,491
Other Screened/ Graded	1,268,539
Rail Ballast	0
Other Construction incl. Unknown	444,445
Total Aggregates	3,746,657

**Figure 5: Crushed Rock Sales 2023 End Use: Limestone**



- 3.14 Table 3.2 shows market fluctuations of limestone sales between 2022 and 2023, showing a decline in coated roadstone, concrete aggregate, other screened/graded aggregates and other construction uses and a significant increase in sales for uncoated roadstone. There was a significant percentage decrease in rail ballast sales which can not be shown as a figure in the table. The overall sales between 2022 and 2023 show a 13% decrease.

**Table 3.2: Market Fluctuations of Limestone sales between 2022-2023  
(All figures in Tonnes)**

Product	2022	2023	Market Fluctuation
Coated Roadstones	165,312	155,526	-6%
Uncoated Roadstone	706,784	1,303,656	84%
Concrete Aggregate	1,158,845	574,491	-50%
Other Screened/ Graded	1,716,868	1,268,539	-26%
Rail Ballast	4,100	0	*
Other Construction incl. Unknown	556,641	444,445	-20%
Total Aggregates	4,308,550	3,746,657	-13%

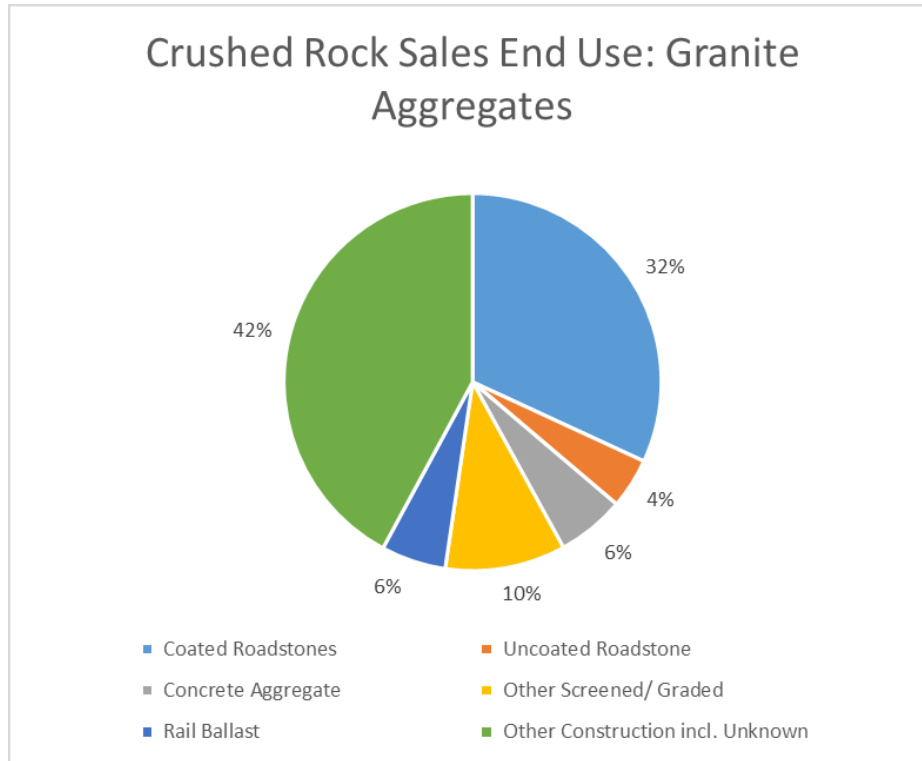
\* shows a significant decrease, unable to provide a percentage.

- 3.15 Table 3.3 and Figure 6 illustrate granite crushed rock sales for 2023. Roadstone accounted for 36% of sales. Other construction including unknown uses accounted for 42% of sales, concrete aggregate accounted for 6% of sales, graded screened aggregate 10%, and rail ballast 6% of sales.

**Table 3.3: Crushed Rock Sales, Granite: N Wales 2023  
(All figures in tonnes)**

Product	TOTAL
Coated Roadstones	417,741
Uncoated Roadstone	56,520
Concrete Aggregate	76,197
Other Screened/ Graded	135,251
Rail Ballast	72,651
Other Construction incl. Unknown	551,887
Total Aggregates	1,310,247

**Figure 6: Crushed Rock Sales 2023 End Use: Granite**



**Table 3.4: Market Fluctuations of Granite sales between 2022-2023 (Tonnes)**

Product	2022	2023	Market Fluctuation
Coated Roadstones	375,161	417,741	11%
Uncoated Roadstone	4,298	56,520	*
Concrete Aggregate	46,171	76,197	65%
Other Screened/ Graded	127,421	135,251	6%
Rail Ballast	756	72,651	*
Other Construction incl. Unknown	440,839	551,887	25%
Total Aggregates	994,646	1,310,247	32%

\* shows a significant increase, unable to provide a percentage

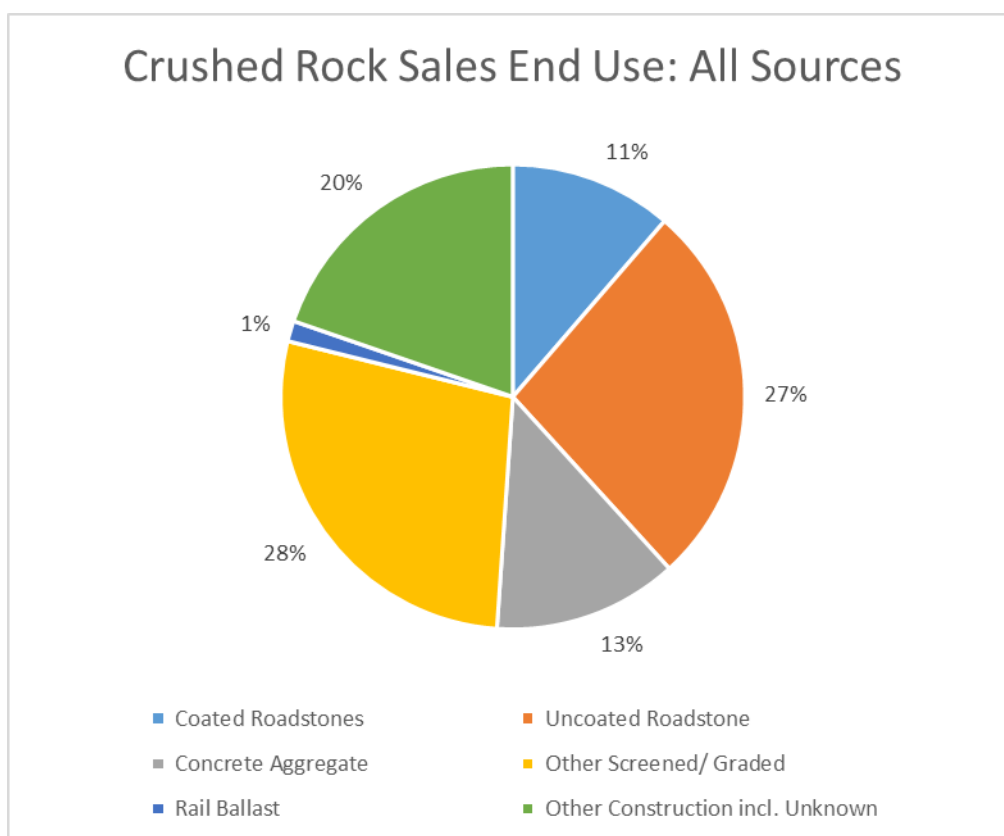
- 3.16 Table 3.4 shows market fluctuations of granite sales between 2022 and 2023, showing an increase in all product end uses. The overall sales between 2022 and 2023 show a 32% increase in sales.
- 3.17 Table 3.5 and Figure 7 illustrate total crushed rock sales (limestone and granite). Total crushed rock aggregate sales of 38% was used as roadstone (27% uncoated, and 11% coated). Aggregate for concrete accounted for 13% of sales. Other screened graded stone accounted for 28%. Other constructional uses (including unknown uses) accounted for 20% of sales. Rail ballast accounted for 1% of sales.



**Table 3.5: Crushed Rock Sales, Total Aggregate: N Wales 2023**  
(All figures are in tonnes)

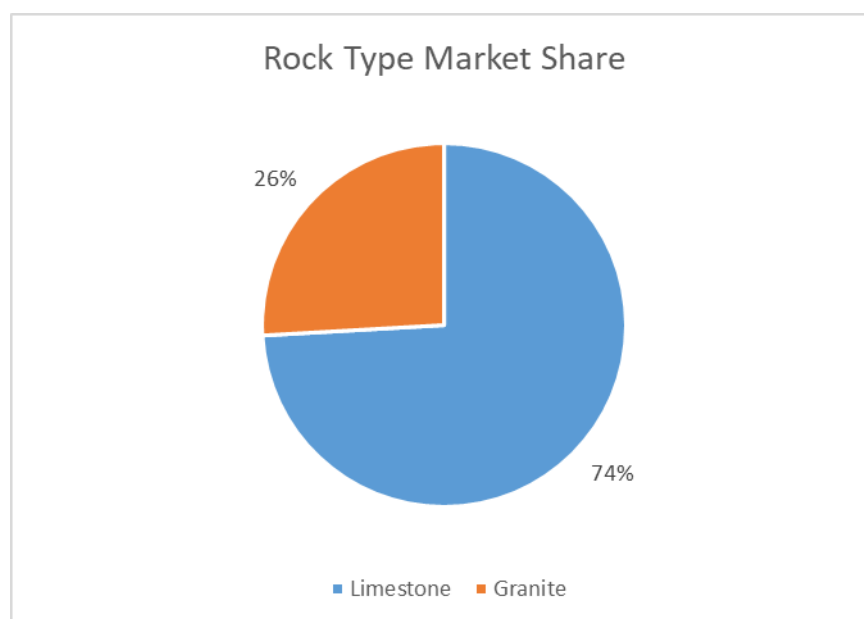
Product	TOTAL
Coated Roadstones	573,267
Uncoated Roadstone	1,360,176
Concrete Aggregate	650,688
Other Screened/ Graded	1,403,790
Rail Ballast	72,651
Other Construction incl. Unknown	996,332
Total Aggregates	5,056,904

**Figure 7: Crushed Rock Sales 2023 End Use: Total Crushed Rock**



- 3.17 Figure 8 illustrates the rock type market share. Limestone is the single biggest contributor, at 74%, with granite accounting for 26% of sales in 2023.

**Figure 8: Rock Type Market Share 2023**



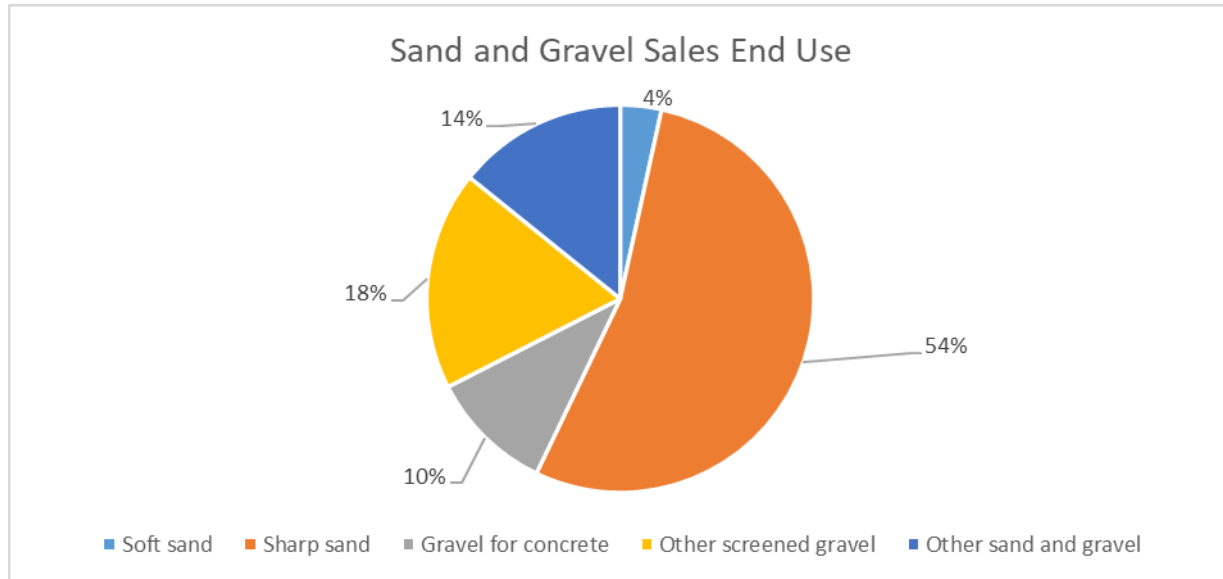
## Sand and Gravel

- 3.18 Table 4 and Figure 9 illustrate sand and gravel sales. Sales of sand and gravel used for aggregate in 2023 have increased by 26% compared with 2022 sales. 54% of sales were sharp (concreting) sand and 4% soft sand. Gravel for concrete is 10% of sales. 14% of the remaining supply comprised unspecified sand and gravel, and 18% other graded screened gravels.

**Table 4: Sand and Gravel Sales: N Wales 2023**  
(All figures are in tonnes)

	Soft sand	Sharp sand	Gravel for concrete	Other screened gravel	Other sand and gravel	Total aggregate
Total	29,182	457,342	88,088	155,769	121,090	851,471

**Figure 9: Sand and Gravel End Use 2023**



### Regional Sales Movements

3.19 The four/five yearly Aggregate Mineral survey (AM) data included information on regional export and import movements by destination area. The wider picture was presented in the AM2019 report published by British Geological Survey (BGS) in 2020. Data on the regional export of mineral sourced within North Wales Regional movements has been collected as part of the AM2023 Survey which continued to collect export data in future annual surveys. The AM2023 will be published by the BGS in Spring 2025. In North Wales the predominant mode of transport is by road, mainly via the A55(T) expressway and A494(T) onward to the M56 and M53 motorways in North West England. There are minor levels of land won aggregate exports by ship from those quarries which have a landing wharf and by rail from those quarries which have rail loading facilities.

3.20 North Wales is a net exporter of aggregate with a total of 2,312,000 tonnes exported compared with 109,000 tonnes imported in 2019. Data taken from the AM2023, which was published by the BGS shows that North Wales is still a net exporter of aggregate with a total of 2,028,000 tonnes exported compared with 424,000 tonnes imported.

**Table 5: AM2023 Survey Data (BGS) \*Note data is in 000 tonnes**

Exports			Imports		
Sand & Gravel	Crushed Rock	Total	Sand & Gravel	Crushed Rock	Total
610	1418	<b>2028</b>	17	407	<b>424</b>

## 4 RESERVES AND LANDBANKS

- 4.1 Table 6 below shows the permitted reserves of crushed rock in the North Wales Region at the end of 2023. The reserves are shown divided into those in active sites and those in inactive sites. The reduction in the number of quarries has meant that there has been an increased need to combine Unitary Authorities in the collation. Table 6 shows that 92% of permitted reserves of crushed rock are contained in active sites. Slate reserves also include slate used for non-aggregate end uses.

**Table 6: Crushed Rock Reserves (000s tonnes)**

	Active	Inactive	Total
<b>Limestone</b>			
NW Wales	20,748	150	20,898
Denbighshire	12,467	3,861	16,328
Flintshire	31,475	10,000	41,475
Total Limestone	64,690	14,011	78,701
<b>Granite</b>			
N Wales total	107,063	0	107,063
<b>Slate</b>			
N Wales total	138	0	138
<b>N Wales total rock</b>	<b>171,891</b>	<b>14,011</b>	<b>185,902</b>

- 4.2 Table 7 indicates the permitted reserves of sand and gravel in the North Wales Region at the end of 2023. The material is shown divided into active sites and inactive sites. The table shows that the majority (90%) of the calculated permitted reserve of sand and gravel is contained in active sites.

**Table 7: Sand and Gravel Reserves (000 tonnes)**

	Active	Inactive	Total
N Wales Total	10,716	1,237	11,953
<b>Total Sand &amp; Gravel</b>	<b>10,716</b>	<b>1,237</b>	<b>11,953</b>

- 4.3 Table 8 provides details of the aggregate reserves and landbank currently available and does not include material designated for industrial use, for example cement manufacture, or rock reserves in dormant sites. The analysis of landbank is based on permitted reserves divided by the average of the last 3 years sales. It should be noted that the RTS second review takes the higher of a 3 or 10 year average (as outlined in Section 7.4 below). Where possible, reserves and landbanks are shown for each MPA and are also grouped into those authorities falling within North East and North West Wales in order to allow comparison with earlier reports.
- 4.4 Additional reserves held in dormant sites potentially add to the amount of material available for extraction, however, although they are consented, they

cannot be worked without new conditions being approved, and as such are not included in the landbank.

- 4.5 Notwithstanding the effect on the collation of having to reconfigure the allocation of sales for reasons of confidentiality, it is clear from the landbank figures that crushed rock reserves throughout most of North Wales are in excess of 20 years in all areas which is above the 10 year minimum required by Planning Policy Wales (PPW) and MTAN1. Therefore, the land bank for crushed rock permitted reserves is above which it is deemed that further provision would not be appropriate in most circumstances. However, it should be noted that a 20-year landbank would fall short of the minimum requirement of 25 years for crushed rock in the RTS second review. Furthermore, one of the key aims of the RTS second review was to ensure that there would be no zero apportionments.
- 4.6 In terms of sand and gravel, the landbank is 15 years in North Wales which is above the 7 year minimum required by PPW and MTAN1. However, whilst this is in compliance with PPW and MTAN1 it should be noted that a 15 year landbank would just fall short of the minimum requirement of 22 years for sand and gravel sites in the RTS second review. Likewise as stated above, one of the key aims of the RTS second review was to ensure that there would be no zero apportionments.

**Table 8: Reserves and Landbanks for Aggregates North Wales 3 Year Sales Average**  
Reserves expressed as million tonnes.

	2021 Aggregate sales	2022 Aggregate sales	2023 Aggregate sales	Average sales	Permitted Reserves at 31/12/2023	Landbank (years)
<b>Limestone</b>						
NW Wales	0.82	1.98	1.02	1.27	20.9	16
Denbighshire	0.27	0.53	0.60	0.47	16.3	35
Flintshire	3.13	2.79	2.12	2.68	41.8	16
Total North Wales	4.22	5.30	3.74	4.42	79.0	18
<b>Granite</b>						
Total North Wales	1.20	1.20	1.31	1.24	107.0	87
<b>Slate</b>						
Total North Wales	0.24	0.31	0.38	0.31	0.1	0
<b>Sand &amp; Gravel</b>						
Total North Wales	0.78	0.80	0.85	0.81	12.0	15
<b>Total Aggregate North Wales</b>	<b>6.44</b>	<b>7.61</b>	<b>6.28</b>	<b>6.78</b>	<b>198.04</b>	<b>29</b>

- 4.8 The overall permitted reserves for crushed rock show a decrease on the levels in 2022, this is as expected as no new major permissions were granted in 2023. across North Wales. In the longer term the landbank is expected to decrease further unless any major permissions are granted. There are no permitted

reserves of crushed rock in Wrexham. Furthermore, RTS2 does not require any allocations of crushed rock in Wrexham.

- 4.9 The sand and gravel landbank remains at a critical position in NW Wales. BGS mapping has indicated significant high-quality resources, albeit that much is within the Llyn Area of Outstanding Natural Beauty. Any increase in sales will further decline the landbank in NW Wales. There are no operational sand and gravel sites of significance within Anglesey or Eryri.
- 4.10 The sand and gravel landbank is apparently healthy in NE Wales, but again, sites and capacity are not evenly distributed. The majority of the permitted reserves are located in Wrexham, and there are no permitted reserves in Denbighshire or Conwy. This is further complicated by the distribution of types of sand and gravel, and the issue should be explored under the 3rd RTS review to redress this regional imbalance.

## **5 SECONDARY & RECYCLED AGGREGATES**

- 5.4 In addition to primary aggregates, other materials are important in contributing towards meeting demand in the North Wales Region and in terms of policy, have priority over primary aggregates. The most significant material in this category in the region is slate which is worked both as a by-product of roofing slate production and as a secondary material from waste tips. Slate waste especially has the potential to be used instead of primary extracted material in many applications or to supplement supply of primary material.
- 5.5 Aggregates derived by recycling construction wastes comprise another important group of materials and are generally abbreviated to CD+EW (construction, demolition and excavation wastes). Clay and shale are also worked intermittently in the region for aggregate purposes (engineered fill) and, depending upon specification, substitute for traditional primary aggregates. Unlike South Wales, there are no arisings (or stockpiles) of pulverised fuel ash (pfa) or furnace slag available in the region and there are only very limited opportunities if any, for the removal of former colliery spoil heaps for use as fill. The only remaining colliery spoil is in Wrexham at Llay and Bersham. Material from Llay has fed into cement manufacturing in the past however, this site has been mothballed for many years. Incinerator Bottom Ash is however produced at Enfinium's Parc Adfer Energy from Waste facility in Deeside, Flintshire.

### **Slate**

- 5.6 In North Wales the main source of secondary aggregates is slate waste. Slate makes a significant contribution for use as a secondary aggregate and is capable of meeting specification standards for construction and highways projects in Wales. The majority of the material is produced, recovered and recycled in Gwynedd with a small amount is derived from sites within Denbighshire and Eryri. However, the World Heritage status recently bestowed on the Gwynedd

Slate Mining area may impact upon potential exploitation of this valuable resource in the future.

- 5.7 The Slate Landscape of Northwest Wales World Heritage Site Supplementary Planning Guidance Paragraph 2.5 states; *"The continuation of the slate extraction industry and associated activities as a significant contributor to the economy of Northwest Wales, and ensuring the continued supply of slate materials for the future."*
- 5.8 The Slate Landscape of Northwest Wales Management Plan paragraph 3.1 Vision and objectives states; *"The continuation of the slate extraction industry and associated activities as a significant contributor to the economy of Northwest Wales, and ensuring the continued supply of slate materials for the future."*
- 5.9 Principle 7.1 states: *"Primary mineral extraction does not take place within the boundary of the proposed World Heritage Site or within the boundary of the Snowdonia National Park Authority."* Principle 7.2 states: *"Primary mineral extraction and secondary working outside the proposed World Heritage Site will be managed through the existing mineral planning process."*
- 5.10 As the World Heritage Status was designated in 2021, it is not clear yet if the designation has had an impact on the supply of slate materials. Future reports will highlight any trends that may be attributed to this designation.
- 5.11 Table 9 below shows the amount of slate waste produced in 2022 and in 2023. The table shows a 35% increase from 2022 to 2023.

**Table 9: Slate Waste Produced as a Secondary Aggregate 2021 and 2022**

Product	2022	2023	Difference
Slate Waste	282,264	381,412	35%

## **Construction and Demolition Waste**

- 5.12 A survey of this material was carried out for 2023. However, returns were very poor and cannot be used to make any analysis. It is believed anecdotally that construction and demolition waste was being produced and although some of this material did go to landfill sites in the region, mainly for engineering purposes, such as capping and road construction much of the material remained on site and it is reasonable to assume some was used as aggregate substitute.
- 5.13 Natural Resources Wales has undertaken ad hoc National Construction & Demolition waste surveys with the most recent estimations being for 2019 ([Natural Resources Wales / Construction and demolition waste survey for 2019](#)). It is anticipated that the UK Digital waste tracking project will provide an opportunity to facilitate improvements in waste data capture and analysis on the arisings of Construction & Demolition waste from start to finish in the future.

- 5.11 Construction and Demolition recycling rates are a direct consequence of construction activity, regeneration and the economy. When the economy is increasing, there is a greater level of construction and demolition and therefore the feedstock of construction and demolition waste increases.
- 5.12 Natural Resources Wales produce a SoNaRR 2020 Waste Report<sup>1</sup> which assesses the changing landscape of waste generation and management in Wales over the last fifteen years. It highlights the issues and pressures associated with current waste practices, whilst identifying opportunities for future sustainability.
- 5.13 Future report of the North Wales Regional Aggregate Working Party will try and establish the extent of contribution the construction and demolition waste has on meeting demand for lower grade uses and how it could be fully exploited to reduce pressure on primary resources and their use to supply low grade uses.

## **6 RESEARCH**

- 6.1 A programme was established by the Welsh Government in 2001 to provide funding for minerals and waste planning related research projects. The research programme aims to support the development of policy and Technical Advice Notes which will assist in achieving the Welsh Government's goals of sustainable development, economic growth, tackling social disadvantage and promoting equal opportunities. The research funded by the programme is intended to provide sound evidence-based foundation for future policy development.
- 6.2 The programme is currently funding a five-year programme to complete modern geological mapping to cover Wales by the British Geological Survey (BGS). This initially, concentrated on South Wales migrating northwards into Mid Wales and in 2008/9 continued into North Wales. The Mineral Resource Map for Wales was formally launched in 2010, though earlier versions had been made available to planning authorities at an earlier date.
- 6.3 The BGS has produced mineral safeguarding maps and guidance for Wales, to enable Unitary Authorities to prepare LDP safeguarding policies.

## **7 REGIONAL TECHNICAL STATEMENT (RTS)**

- 7.1 The Regional Technical Statement (RTS) is a requirement of Minerals Technical Advice Note 1: Aggregates (MTAN1) which was issued by the Welsh Government in March 2004.

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<sup>1</sup><https://naturalresources.wales/evidence-and-data/research-and-reports/state-of-natural-resources-report-sonarr-for-wales-2020/sonarr2020-our-assessment/cross-cutting-themes/waste/?lang=en>



- 7.2 MTAN1 sets an overarching objective which seeks to ensure a sustainably managed supply of aggregates (which are essential for construction), striking the best balance between environmental, economic and social considerations. The RTS provides a strategic basis for LDPs in the region.
- 7.3 The first Regional Technical Statement for the area covered by the NWaRAWP was published in October 2008. The RTS 1<sup>st</sup> Review was published in August 2014 and the RTS 2<sup>nd</sup> Review was published in September 2020 and endorsed by North Wales Authorities in May 2021.
- 7.4 The RTS2 recommends that the future quantities of aggregate which need to be provided from each Local Planning Authority area (apportionment) is essentially based on the higher of the 3-year sales average and the 10-year average of sales, refined as necessary to take account of housing completions and other factors of sustainability. The annualised apportionment is applied over 25 years for crushed rock (LDP period plus 10 years) and 22 years for sand and gravel (LDP period plus 7 years) in order to calculate the minimum required provision within LDPs.
- 7.5 The annual crushed rock apportionment contained within Table 5.2 of the RTS2 is provided in Table 10 below together with the sales figure for 2023. The purpose of this comparison is to assess whether there is a danger of under-provision within any Local Authority area. Sales exceeding the annualised sales figure is merely an early warning that aggregate reserves are being used more quickly than anticipated in the RTS2 and there may be a danger of under-provision within the Local Development Plan period. Further detailed assessment would be required in each case.
- 7.6 Sales in 2023 were well below the annualised apportionment figures, particularly in the North West Wales region. In the context of the North Wales as a whole, sales were approximately 76% of the total annualised apportionment required within the region.
- 7.7 RTS2 recommended minimum crushed rock allocations necessary in Flintshire amount to 35.928 mt. The adopted Flintshire Local Development Plan has provided for two crushed rock allocations amounting to 24 mt. A subsequent planning permission has now been granted at Hendre Quarry under planning reference 062110 granted 17/12/2021 which would reduce the apportionment shortfall to just 3.062 mt.

**Table 10: Crushed Rock Aggregate Sales in 2023 by Mineral Planning Authority (million Tonnes) in comparison to the RTS2 annualised apportionments**

Region	Mineral Planning Authority	Crushed Rock Aggregate Sales 2022	RTS2 Annualised Apportionment
North East Wales	Denbighshire	2.723	0.860
	Flintshire		3.359
	Wrexham		0.00
North West Wales	Conwy + Eryri	2.333	1.201
	Gwynedd		0.955
	Isle of Anglesey		0.321
<b>North Wales Total</b>		<b>5.056</b>	<b>6.695</b>

- 7.8 The annual sand and gravel apportionments contained within the RTS2 are provided in Table 11 together with the sales figure for 2023.

**Table 11: Sand and Gravel Sales in 2023 by Mineral Planning Authority (million Tonnes) in comparison to the RTS2 annualised apportionments**

Region	Mineral Planning Authority	Sand and Gravel Sales 2022	RTS2 Annualised Apportionment
North Wales	Denbighshire	0.851	0.00
	Flintshire		0.223
	Wrexham		0.646
	Conwy + Eryri		0.00
	Gwynedd		0.174
	Isle of Anglesey		0.00
<b>North Wales Total</b>		<b>0.674</b>	<b>1.044</b>

- 7.9 In the North Wales context, as a whole, sales of sand and gravel in 2023 were approximately 82% of the total annualised apportionment required within the region.
- 7.10 RTS2 recommended minimum sand and gravel allocations necessary in Flintshire only amounting to 3.543 mt, and in Wrexham 1.565 mt. The adopted Flintshire LDP provides for allocations of sand and gravel amounting to 1.4 mt with a marginal shortfall of 2.143 mt. Coupled with the apportionment for Wrexham of 1.565 mt, the North-East Wales authorities have agreed to meet this

combined sub-regional apportionment collaboratively by way of either an extension of an existing sand and gravel site, or the identification of a new site in the sub-region. The Statement of Sub-regional Collaboration (SSRC) for North-East Wales, endorsed by the respective North East Wales Local Authorities confirms that the authorities of the North-East Wales sub-region have agreed that any shortfall would be considered as a sub-regional apportionment shortfall and this shortfall would be met by either; extensions to existing sand and gravel quarry sites in the sub-region, or a new sand and gravel quarry site within the sub-region.

- 7.11 It should be noted that the SSRC for North-East Wales was drafted and endorsed in May 2021 by all of the Councils in the North-East Wales Sub-Region namely; Denbighshire County Council, Flintshire County Council and Wrexham County Borough Council. During the production of the SSRC, there was limited consultation as part of the LDP process. However, it was not possible to consult the North Wales RAWP due to the time constraints involved and the fact that the North Wales RAWP did not meet during this time.
- 7.12 RTS2 recommended minimum sand and gravel allocations necessary in Gwynedd amounting to 2.659 mt. This allocation is yet to be addressed by the LPA but the LDP will be reviewed in the coming years when the LDP is replaced.
- 7.13 The RTS2 notes that the apportionment recommendations do not take fully into account all factors that may be material to the ensuring of an adequate supply of aggregates obtained from appropriately located sources. Such factors include:-
- The technical capability of one type of material to interchange for another.
  - The relative environmental cost of substitution of one type of material by another.
  - The relative environmental effects of changing patterns of supply.
  - Whether adequate production capacity can be maintained to meet the required supply.
- 7.14 The RTS2 also states that where it is justified by new evidence, it is open for individual Local Planning Authorities to depart from the apportionment and allocation figures recommended in the RTS. In doing so however, a Local Planning Authority would need to demonstrate that their intended departure would not undermine the overall strategy provided by the RTS itself. Under the terms of MTAN1, a third review of the RTS should now be undertaken as it has been 5 years since RTS2. Both the South and North Wales RAWPs are actively seeking a review of RTS with Welsh Government.

## Appendix 1: Active Sites Included in the 2023 Survey

Unitary Authority	Site	Material	Grid Reference
<b>ANGLESEY</b>	Gwyndy	Granite	395795
	Rhuddlan Bach	Limestone	486806
	Nant Newydd	Limestone	481811
	Cae'r Glaw	Granite	-
	Bwlch Gwyn	Granite	003 866
<b>GWYNEDD</b>	Garth (Minfordd)	Igneous	259339
	Nanhoron	Igneous	-
	Penrhyn	Slate Waste	262365
	Ffestiniog	Slate Waste	269347
	Cwt y Bugail	Slate	-
	Port of Penrhyn	Sand & Gravel	-
	Arthog	Slate	-
	Bryncir/Llecheiddior	Sand & Gravel	-
<b>ERYRI</b>	Braich Ddu	Slate	-
<b>CONWY</b>	St. George (Abergele)	Limestone	970373
	Raynes	Limestone	890780
	Penmaenmawr	Granite	702755
<b>DENBIGHSHIRE</b>	Graig (Llanarmon)	Limestone	320356
	Graig Denbigh	Limestone	305366
<b>FLINTSHIRE</b>	Pant y Pwll Dwr	Limestone	319732
	Aberdo	Limestone	318372
	Hendre	Limestone	319368
	Maes Mynan	Sand & Gravel	311372
	Fron Haul	Sand & Gravel	315370
	Kinnerton Quarry	Sand & Gravel	-
<b>WREXHAM</b>	Ballswood	Sand & Gravel	350563
	Hafod	Clay	-
	Borras	Sand & Gravel	364524

## Appendix 2: Dormant/Inactive Sites included in 2023 Survey

Unitary Authority	Site	Material	Grid Reference
<b>GWYNEDD</b>	Pen yr Orsedd	Slate	250354
	Tyn Y Weirglodd	Slate	-
<b>DENBIGHSHIRE</b>	Burley Hill	Limestone	320360
<b>FLINTSHIRE</b>	Ddol Uchaf	Sand & Gravel	315371
	Pant	Limestone	319730
	Pen yr Henblas	Limestone	-

### Appendix 3: North Wales Aggregates Working Party Publications

<b>Publication</b>	<b>Date</b>	<b>Status</b>
Interim Report	November 1976	Out of print
Regional Commentary Part 1	June 1981	Out of print
Regional Commentary Part 2	July 1981	Out of print
Report on AM85 Survey	June 1987	Out of print
Regional Commentary 1988	October 1988	Out of print
First Annual Report 1989		Out of print
Report on AM89 Survey	April 1991	Out of print
Annual Report 1990	June 1991	Out of print
Regional Commentary	February 1992	Out of print
Annual Report 1991	June 1992	Out of print
Annual Report 1992	July 1993	Out of print
Annual Report 1993	July 1994	Out of print
Report on AM93 Survey		Out of print
Guidelines for Aggregates Provision	March 1995	Out of print
Annual Report 1994		Out of print
Annual Report 1995		Out of print
Annual Report and Statistics 1996-2000 (with revised 1995 data) (single volume)		Out of print
Annual Report 2001	March 2002	Free
Annual Report 2002	September 2003	Free
Annual Report 2003	September 2004	Free
Annual Report 2004	September 2006	Free
Annual Report 2005	May 2007	Free
Annual Report 2006	Dec 2007	Free
		Free
Regional Technical Statement	Feb 2008	Free
Annual Report 2007	Dec 2008	Free
Annual Report 2008	Nov 2009	Free
Annual Report 2009	Oct 2012	Free
Annual Report 2010	Oct 2012	Free
Annual Report 2011	Nov 2012	Free
Annual Report 2012	Dec 2013	Free
Regional Technical Statement 2010	July 2013	Free
Annual Report 2013	Dec 2014	Free
Annual Report 2014	Nov 2015	Free

Regional Technical Statement 2014		Free
Annual Report 2015		Free
Annual Report 2016		Free
Annual Report 2017	March 2019	Free
Annual Report 2018		Free
Annual Report 2020		Free
Regional Technical Statement 2 <sup>nd</sup> Review		Free
Annual Report 2021		Free
Annual Report 2022		Free

\* This report is free to download can be viewed on the North Wales RAWP website i.e. [www.nwrawp-wales.org.uk](http://www.nwrawp-wales.org.uk) However, a charge will be made if a hard copy is requested or for out of print publications; this will reflect the price of copying, administration and postal charges.

## Appendix 4: Glossary and Acronyms

Active	A quarry with a current planning permission producing stone in 2023.
Aggregates	Sand, gravel, crushed rock and recycled or secondary materials used in the construction industry eg. for purposes such as the making of concrete, mortar, asphalt or for road stone, drainage or bulk filling materials.
British Aggregates Association (BAA)	An association formed in 1999 representing over 50 mainly independent and privately owned quarry companies in the UK.
DLUHC	Department for Levelling Up, Housing & Communities
Construction Demolition and Excavation Waste (CD&EW)	Material arising from the demolition of buildings, it can include material that after processing, for example by crushing and sizing, can be re-used as aggregate. (previously referred to as C&DW – excavation waste is now usually included)
Coated Stone	Aggregate coated with bitumen for road construction.
Crushed Rock	Stone derived from a solid rock mass, for example limestone, by quarrying and processed, usually by mechanical breaking, for use in construction.
Dormant	A quarry with a valid planning permission which cannot be lawfully worked or resume working until a scheme of modern planning conditions has been submitted to and approved by a Mineral Planning Authority.
Export	The transport of aggregate from the North Wales region to other areas, including to other parts of Wales as well as England.
Fill	Aggregate used to fill large voids preparatory to construction, for example for foundations or to form embankments during road construction.
Inactive site	Sites with planning permission which are not operational but which can be reactivated.
Igneous Rock	Solidified molten rock, e.g. granite, dolerite
Land bank	A stock of planning permissions for the winning and working of minerals, usually expressed in years based on recent averaged outputs. Normally reserves in dormant sites are excluded from the calculation.
Limestone	A sedimentary rock consisting mainly of calcium carbonate.
Mothballed site	A quarry which is temporarily not working for operational and economic reasons but which is intended to become operational



	again.
MPA	Minerals Products Association, formerly Quarry Products Association. A trade association which represents over 80 quarry companies which, together, account for 90% of the supply of aggregate materials in the UK.
NRW	Natural Resources Wales
NWaRAWP	North Wales Aggregates Working Party (nb when in some cases abbreviated to NWRAWP, this can be confused with the North West AWP in England)
Permitted Reserves	Areas and tonnages of rock with a valid planning permission for extraction which have been defined by survey and or estimation.
Primary aggregate	Naturally occurring (as opposed to secondary or recycled material) rock, sand and gravel suitable for construction aggregate purposes.
Rail Ballast	Aggregate used to support railway track.
Recycled Aggregates	Aggregates previously used in construction, rail ballast, pipe trench excavation etc, recycled for further aggregate use.
Resource	Deposits of rock or sand and gravel which are likely to be suitable for working for aggregate but which may need further technical evaluation and will need planning permission before development can commence.
Road Planings	Stone recovered during the surface repair of road carriageways. Often this is coated stone which will need to be treated to remove old bitumen if it is to be reused in road construction.
RTS	Regional Technical Statement – These have been produced by the North and South Wales RAWPs for their respective regions as a general framework for the preparation of development plans
Sand and Gravel	Unconsolidated usually superficial material usually of fluvial or glacial origin overlying the solid geology. However some deposits are bedded and form part of the solid geology. Deposits are usually worked as a source of material for general building and for the manufacture of concrete.
Secondary Aggregate	Wastes or by-products suitable for aggregate purposes but derived from activities where aggregate production is not the main aim eg, various industrial processes and the extraction of minerals for uses other than for aggregates. These include for example colliery waste, blast furnace slag, slate waste.
Sharp Sand	Coarse sand suitable for use in making concrete.

Slate Waste	Waste material arising from the manufacturing of roofing and architectural slate (See Secondary Aggregates). Often sourced from historic working deposits of quarrying waste.
Soft Sand	Otherwise known as building sand, fine sand suitable for use in such products as mortar and plaster.
SRAs	Secondary and recycled aggregates.
SSCR	Statement of Sub-Regional Collaboration
WET	Wales Environment Trust

## **Appendix 5: Current NWaRAWP Membership (at date of publication)**

### **Chair**

Andrew Farrow      Flintshire County Council

### **Technical Secretary**

Hannah Parish      Flintshire County Council

### **Local Government Representatives.**

Note: Attendance is delegated to Officers of the North Wales Shared Minerals and Waste Planning Service or to relevant officers of the respective Authorities

Dewi Jones      Isle of Anglesey County Council

John Williams  
(Represented by  
Robin Williams)

Gareth Jones      Cyngor Gwynedd  
(Represented by  
Rhys Cadwaladr)

Jonathan Cawley      Eryri National Park  
Sion Roberts

James Harland      Conwy County Borough Council

Emlyn Jones      Denbighshire County Council  
Angela Loftus  
Karsten Brusk  
(Represented by  
Jessica Roberts)

David Fitzsimon      Wrexham County Borough Council  
Matthew Philips  
Chris Smith  
(Represented by  
Charlie Pope)

### **Aggregate Industry Representatives**

Nick Horsley	Mineral Products Association Wales (MPAW)
David Harding	MPAW
John Carlon	British Aggregates Association (BAA)
Dafydd Williams	Hogan Group (BAA and MPAW)
Tiffany Cox	Tarmac/MPAW
Andrew Bower	Heidelberg Materials/MPAW
Jack Pocklington	Heidelberg Materials/MPAW
Darrell Williams	DP Williams Group Ltd/ Independent
Richard Parton	Cheshire Sand and Gravel/Independent
Mark Kelly	Cemex/MPAW
Emma Pearman	Cemex/MPAW
Robert Marsden	Cemex/MPAW
Maria Cotton	Breedon Group (BAA and MPAW)
Kurt Cowdrey	Norwest Sand and Ballast/ BMAPA
Shaun Denny	Welsh Slate Ltd/Breedon Group (BAA/MPAW)
Huw Thomas	Tudor Griffiths Group (MPAW SME)
Geoff Storey	Aggregate Industries (MPAW)
Steve Bowman	CCP Building Products Limited (BAA)
Nigel Driver	Grosvenor Estate
Graham Jones	Jones Brothers
Andrew Roberts	Jones Brothers
Nick Everington	The Crown Estate
Rob Anderson	RH DHV
Nigel Griffiths	RH DHV

### **Government / Other Agency Representatives**

Jo Smith	Welsh Government, Planning Division (WG)
Gareth Dudley-Jones	Welsh Government, Planning Division (WG)
Christina Davey	Ministry of Housing, Communities and Local Government
James Cooke	Landscapes, Nature and Forestry Division, WG
Justin Waite	Natural Resources Wales (NRW)
Ngaire Thomson	North West England AWP (Secretary)
Rachel Whaley	North West England AWP (Chair)
Thomas Boothroyd	South Wales RAWP (Secretary)
Joseph Mankelow	British Geological Survey

## Appendix 6: List of all major applications determined in 2023

County	Case Reference	Decision	Decision Date	Address	Project Description
Flintshire	FUL/000473/22	Approved	11/01/2023	ELECTROIMPACT UK LTD, Manor Lane, Hawarden, Deeside, CH5 3ST	Erection of a new high-bay industrial building.
Flintshire	61585	Resolve to Approve subject to signing Legal Agreement	02/02/2023	Former Corus Garden City site, Garden City, Deeside	Application for approval of reserved matters following outline approval (059635) for the erection of 100 no. dwellings with associated infrastructure
Flintshire	63591	Resolve to Approve subject to signing Legal Agreement	10/03/2023	Former Corus Garden City, Welsh Road, Garden City	Application for approval of reserved matters following outline approval. (059635)
Flintshire	FUL/000776/22	Approved	24/04/2023	Land at Ffordd Dewi, Flint, Flintshire, CH6 5WB	New, two storey 240 FTE Place Welsh Medium Primary School building and 30 Place PTE Nursery. New, partial two storey wrap around childcare, Welsh Immersion and Community building. Project associated external works, inclusive of boundary treatments, new pedestrian access points, new car parking arrangements and extended vehicular access off Ffordd Dewi.

County	Case Reference	Decision	Decision Date	Address	Project Description
Flintshire	FUL/000037/23	Approved	28/04/2023	Flint Community Hospital, Cornist Road, Flint, Flintshire, CH6 5HG	Redevelopment of the former Cottage Hospital site to provide a new care home comprising of 56 no. bedrooms, complete with new road access and parking, green space and landscaping.
Flintshire	COU/000237/22	Approved	13/06/2023	39A, REDIPARTS LTD, Mold Road, Buckley, CH7 2JA	Proposed Conversion of former retail/offices to C3 Use
Flintshire	FUL/000345/23	Approved	19/07/2023	Vista Business Park, Manor Lane, Hawarden, CH5 3PJ	Erection of three commercial buildings as Phase II of the Vista Business Park development (B1 Business (Light Industrial), B2 General Industrial (Business uses) and B8 Storage and Distribution uses), together with the extension of internal access road, parking, landscaping and installation of associated infrastructure
Flintshire	FUL/000271/22	Approved	22/08/2023	Plot A, The Airfields, Northern Gateway, Flintshire, CH5 2RD	Erection of a single storey unit
Flintshire	RES/000658/22	Approved after completing Legal Agreement	25/08/2023	Northern Gateway (Phase 3), Former Corus, Welsh Road, Garden City	Application for Approval of Reserved Matters following Outline Approval 063145
Flintshire	FUL/000519/23	Approved	27/09/2023	A C Canoe Products Unit 102, Tenth Avenue, Sealand, Deeside, CH5 2UA	Demolition of existing building and construction of new industrial units with associated external works
Flintshire	OUT/000042/22	Approved	27/09/2023	Lornell, Halkyn Street, Holywell, Flintshire, CH8 7TX	Demolition of existing dwelling and erection of a block of up to four residential apartments, one of which is to be affordable together with associated works.
Flintshire	FUL/000034/22	Approved	22/11/2023	Field West of, Highmere	Construction of a residential

County	Case Reference	Decision	Decision Date	Address	Project Description
		after completing Legal Agreement		Drive, Connaahs Quay, CH5 4YH	development of 141 no. dwellings and associated works
Flintshire	62315	Approved after completing Legal Agreement	21/12/2023	Brynford Road, Holywell, Flintshire	Erection of 12 no. Dwellings, associated parking and landscaping. Construction of new vehicular access.
Conwy	0/48566	Approved With Conditions	25/01/2023	3-8 Bay View Road Colwyn Bay LL29 8DW	Demolition of existing buildings and erection of a supported living affordable housing development (Use Class C3), access, parking, landscaping and communal courtyard, drainage infrastructure and associated development.
Conwy	0/49141	Approved With Conditions	24/01/2023	Llys Onnen 22 Water Street Abergele LL22 7SH	Demolition of existing buildings and erection of an over 55s affordable housing development comprising of 43 apartments, access, parking, landscaping, drainage infrastructure and associated development.
Conwy	0/50349	Approved With Conditions	20/10/2023	The Promenade Kinmel Bay LL18 5NL	The Kinmel Bay Coastal Defence Improvements Scheme includes the following: -Improved rock armour defences -Raising seawalls - Improved beach access -New parklets, street furniture and toilet block -Car park upgrades - Ecological enhancements
Conwy	0/50625	Approved With Conditions	24/11/2023	Ty Mawr Holiday Park Towyn Road Towyn LL22 9HG	Change of use of land for siting of static holiday caravans

County	Case Reference	Decision	Decision Date	Address	Project Description
Anglesey	FPL/2019/217	Permit	16/02/2023	Craig y Don Estate & Cherry Tree Close, Benllech	Full planning application for the erection of 17 affordable dwellings, construction of two new vehicular and 3 new agricultural accesses, installation of a pumping station together with soft and hard landscaping.
Anglesey	FPL/2021/159	Permit	19/04/2023	Stad Maes Derwydd Estate, Llangefni	Full application for the erection of 50 residential dwellings, 12 residential apartments, construction of a new vehicular access and road, construction of a foul water pumping station together with soft and hard landscaping.
Anglesey	FPL/2019/217	Permit	16/02/2023	Craig y Don Estate & Cherry Tree Close, Benllech	Full application for the erection of 12 dwellings together with the creation of an internal access road and associated works.
Anglesey	FPL/2021/159	Permit	19/04/2023	Stad Maes Derwydd Estate, Llangefni	Full application for the erection of 22 open market dwellings and 1 affordable dwelling, alterations to the existing access, creation of an internal access road together with associated works.
Anglesey	FPL/2022/46	Permit	23/01/2023	Land near Bryn Glas Estate, Brynsiencyn	Full application for the erection of 14 dwellings together with the creation of an internal access road and associated works.
Anglesey	FPL/2022/53	Permit	09/03/2023	Cae Braenar, Penrhos, Caergybi / Holyhead	Full application for the erection of 29 dwellings, together with the creation of a new vehicular access, an internal access road and associated works.



County	Case Reference	Decision	Decision Date	Address	Project Description
Anglesey	FPL/2022/60	Permit	02/03/2023	Ysgol Niwbwrch/Newborough School, Stryd Pen Dref Street, Niwbwrch/Newbrough	Full application for the change of use of agricultural land to site 32 holiday lodges, reception building, construction of new vehicular access, construction of new on site roads and parking areas and associated works.
Anglesey	FPL/2022/71	Permit	15/02/2023	Tre Angharad, Bodedern	Full application for the re-layout of 144 static holiday caravans, together with environmental improvements.
Anglesey	FPL/2022/173	Permit	14/06/2023	Lon Penmynydd, Llangefni	Full application for the erection of 9 holiday-let apartments together with associated works.
Anglesey	FPL/2022/250	Permit	05/10/2023	Parc Carafannau Rynys Caravan Park, Penrhoslligwy, Dulas.	Full application for the erection of a new police station, comprising of a two and part-three storey building, together with associated car park, landscaping, solar panels and a new access road.
Gwynedd	C23/0657/18/LL	Approved Subject to Conditions and S106 Agreement	11/12/2023	Tir Gyferbyn/land Opposite Stad Cremlyn, , Bethel, Caernarfon, LL55 1AX	Full planning application for the erection of 30 affordable dwellings with a new access, internal access road and associated works.
Gwynedd	C23/0201/08/LL	Approved Subject to Conditions and S106 Agreement	12/09/2023	Land Adjacent To Trem Y Moelwyn, Penrhyndeudraeth. Gwynedd,	Erection of 41 affordable dwellings and associated development
Gwynedd	C22/0256/13/LL	Approved Subject to Conditions and S106	05/07/2023	Brig Y Nant, Coetmor New Road, Bethesda, LL57 3LU	Erection of 18 dwellings, new road and landscaping.

County	Case Reference	Decision	Decision Date	Address	Project Description
		Agreement			
Gwynedd	C19/1089/22/LL	Approved Subject to Conditions and S106 Agreement	15/03/2023	Treddafydd Stryd Fawr, Penygroes, Gwynedd, LL54 6PW	Proposed erection of 12 dwellings with associated access, parking and infrastructure
Gwynedd	C23/0549/08/LL	Approved with Conditions	29/09/2023	Land At Parc Busnes Eryri, Penrhyndeudraeth, LL48 6LD	Erect 8 new flexible business/ industrial units (Use class B1, B2, B8) with associated parking and landscaping
Gwynedd	C23/0220/30/LL	Approved with Conditions	15/05/2023	Tir Gyferbyn/land Opposite Stad Cremlyn, , Bethel, Caernarfon, LL55 1AX	Full planning application for the erection of 30 affordable dwellings with a new access, internal access road and associated works.
Gwynedd	C23/0072/16/LL	Approved with Conditions	17/04/2023	Land Adjacent To Trem Y Moelwyn, Penrhyndeudraeth. Gwynedd,	Erection of 41 affordable dwellings and associated development
Gwynedd	C22/1020/11/LL	Approved with Conditions	27/02/2023	Brig Y Nant, Coetmor New Road, Bethesda, LL57 3LU	Erection of 18 dwellings, new road and landscaping.
Gwynedd	C22/0969/45/LL	Approved with Conditions	20/11/2023	Treddafydd Stryd Fawr, Penygroes, Gwynedd, LL54 6PW	Proposed erection of 12 dwellings with associated access, parking and infrastructure
Gwynedd	C22/0715/11/LL	Approved with Conditions	16/03/2023	Land At Parc Busnes Eryri, Penrhyndeudraeth, LL48 6LD	Erect 8 new flexible business/ industrial units (Use class B1, B2, B8) with associated parking and landscaping
Wrexham	P/2022/0914	Granted	06/02/2023	Cwrt Pentwmpath Llay Wrexham LL12 0TT	Erection of over 55's housing scheme comprising 17 no. 1 bed dwellings and 8 no. 1 bed bungalows

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Wrexham	P/2021/0793	Granted	13/12/2023	Former Air Products Site Llangollen Road Acrefair Wrexham LL14 3HW	Erection of 21 three and four bedroom dwellings with associated works
Wrexham	P/2023/0482	Granted	18/12/2023	Land At Ash Road North Wrexham Industrial Estate Wrexham LL13 9JT	Construction of manufacturing facility and associated car parking and landscaping
Wrexham	P/2023/0126	Granted	28/03/2023	The Bridgeway Centre Bridge Road Wrexham Industrial Estate Wrexham LL13 9QS	Prior notification of demolition of two single storey commercial buildings (3 & 4)
Wrexham	P/2022/0551	Granted	25/04/2023	Land West Of Crispin Lane Mold Road Wrexham LL11 2HT	Reserved matters pursuant to outline planning permission p/2018/0672
Wrexham	P/2023/0135	Granted	04/07/2023	Land North Of Gatewen Road New Broughton Wrexham LL11 6YA	Laying out of access road, earthworks, tree removal, structural works to existing reservoir and well and demolition of existing structures
Wrexham	P/2022/0725	Granted	12/01/2023	The Racecourse Mold Road Wrexham LL11 2AH	Kop development for 5,500 spectator seats, inclusive of a 500 capacity hospitality area, with a 600 capacity non-match day exhibition space, new public realm and associated works
Wrexham	P/2022/0541	Granted	06/03/2023	Land Adjacent To Little Llwyn Onn Cefn Road Abenbury Wrexham LL13 0NY	Erection of solar farm and battery storage facility
Wrexham	P/2022/0066	Granted	16/10/2023	Caravan Site Lady Margarets Park Chirk Wrexham LL14 5AA	Extension of existing caravan site consisting of caravan pitches with tarmac road
Wrexham	P/2022/0151	Granted	04/09/2023	Pendine Park Nursing Home Summerhill Road Stansty Wrexham LL11 4YE	Erection of specialist and extra care facility building

County	Case Reference	Decision	Decision Date	Address	Project Description
Denbighshire	01/2022/0451	Granted with Conditions	31/03/2023	Plot 1, Land Adjacent to Colomendy Industrial Estate, Denbigh	Variation of condition 2 of planning permission 01/2019/1011 to allow amendment to approved layout including the re-siting and design of quarantine bays, alterations to approved Waste Sorting and Highways buildings including the installation of roller shutters. Installation of a fire water tank and system, electric vehicle recharge points, sub-stations and associated apparatus. Alterations to approved surface water attenuation pond, perimeter fence detail and associated works