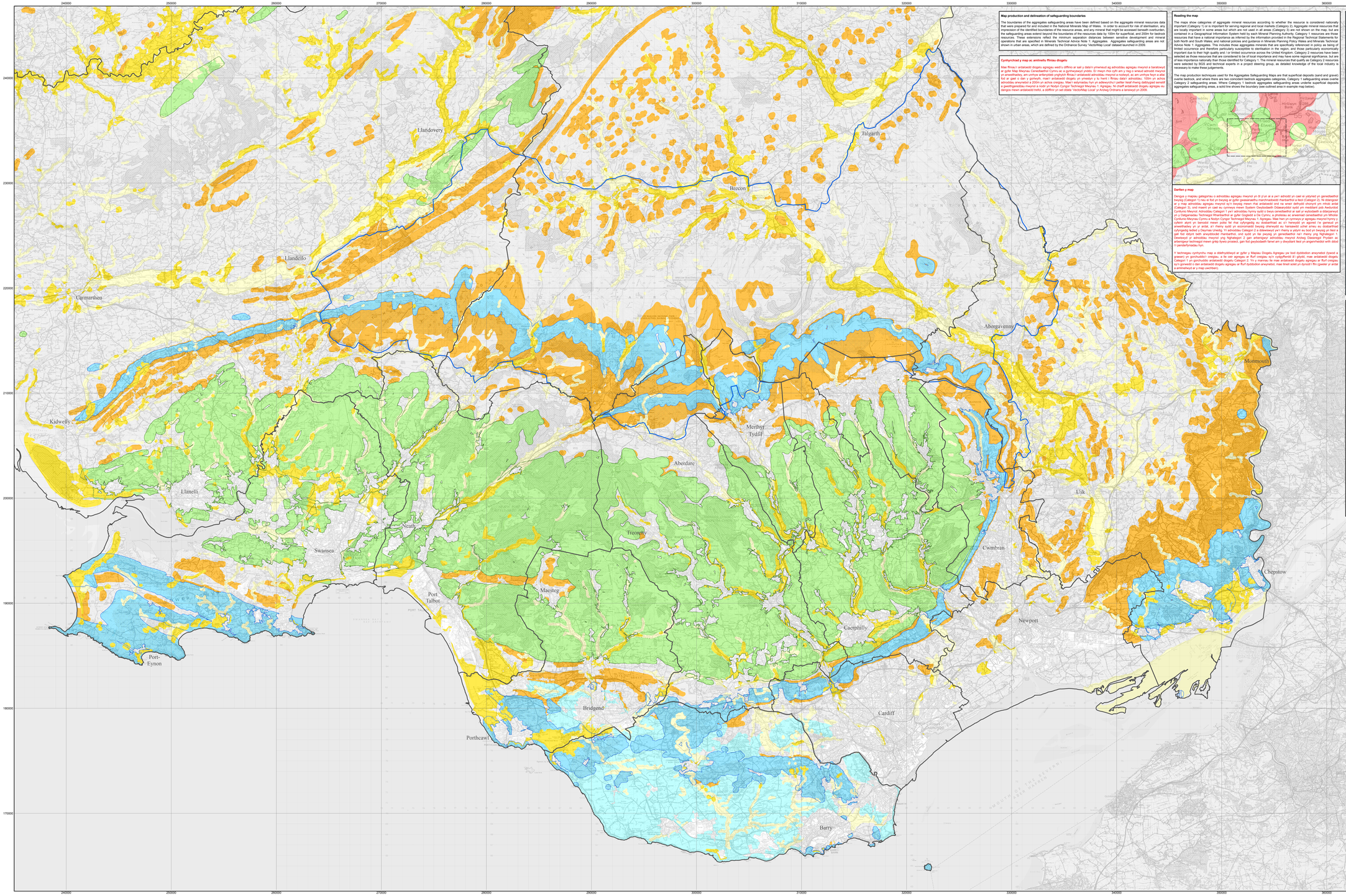

Map production and delineation of safeguarding boundaries

The boundaries of the aggregates safeguarding areas have been defined based on the aggregate mineral resources data that were prepared for and included in the National Minerals Map of Wales. In order to account for risk of sterilisation, any imprecision of the identified boundaries of the resource areas, and any mineral that might be accessed beneath overburden, the safeguarding areas extend beyond the boundaries of the resources data by 100m for superficial, and 200m for bedrock resources. These extensions reflect the minimum separation distances between sensitive development and mineral operations that are specified in Minerals Technical Advice Note 1: Aggregates. Aggregates safeguarding areas are not shown in urban areas, which are defined by the Ordnance Survey 'VectorMap Local' dataset launched in 2009.

Cynhyrchiad y map ac amlinellu ffiniau diogelu

Mae ffiniau'r ardaloedd diogelu agregau wedi'u diffinio ar sail y data'n ymwneud ag adnoddau agregau mwynol a baratowyd ar gyfer Map Mwynau Cenedlaethol Cymru ac a gynhwyswyd ynddo. Er mwyn rhoi cyfrif am y risg o wneud adnodd mwynol yn anhygyrch, unrhyw ansicrwydd o ran ffiniau'r adnoddau adnabyddedig, neu'r posibilrwydd y gellir ei gyrchu'r mwynau'n ddwfn o dan y gorlwyth, mae'r ardaloedd diogelu yn ymestyn y tu hwnt i ffiniau data'r adnoddau: 100m yn achos adnoddau arwynebol a 200m yn achos creigiau. Mae'r estynniadau hyn yn adlewyrchu'r pellter lleiaf rhwng datblygiad sensitif a gweithgareddau mwynol a nodir yn Nodyn Cynghor Technegol Mwynau 1: Agregau. Ni chaiff ardaloedd diogelu agregau ffo dangos mewn ardaloedd trefol, a ddiffinir yn set ddata 'VectorMap Local' y Arolwg Ordnans a lansiwyd yn 2009.

Reading the map

The maps show categories of aggregate mineral resources according to whether the resource is considered nationally important (Category 1) or is important for serving regional and local markets (Category 2). Aggregate mineral resources that are locally important in some areas but which are not used in all areas (Category 3) are not shown on the map, but are contained in a Geographical Information System held by each Mineral Planning Authority. Category 1 resources are those resources that have a national importance as inferred by the information provided in the Regional Technical Statements for both North and South Wales, and national policies and guidance in Minerals Planning Policy Wales and Minerals Technical Advice Note 1: Aggregates. This includes those aggregates minerals that are specifically referenced in policy as being of national importance, or are those resources that are considered to be of national importance by virtue of being exceptionally important due to their high quality and / or limited occurrence across the United Kingdom. Category 2 resources have been selected as those resources that are considered to be of local importance and may have some regional significance, but are of less importance nationally than those identified for Category 1. The mineral resources that qualify as Category 2 resources were selected by BGS and technical experts in a project steering group, as detailed knowledge of the local industry is necessary to make these judgements.

The map production techniques used for the Aggregates Safeguarding Maps are that superficial deposits (sand and gravel) overlie bedrock, and where there are two coincident bedrock aggregates categories, Category 1 safeguarding areas overlie Category 2 safeguarding areas. Where Category 1 bedrock aggregates safeguarding areas underlie superficial deposits aggregates safeguarding areas, a solid line shows the boundary (see outlined area in example map below).

Carmarthen
Llandeilo
Llandovery
Brecon
Talgarth
Hay-on-Wye
Kington
Presteigne
Knighton
Builth Wells
Llanwrtyd Wells
Rhayader
Llanidloes
Newtown
Machynlleth
Welshpool
Llanfyllin
Oswestry
Corwen
Bala
Dolgellau
Barmouth
Porthmadog
Pwllheli
Criccieth
Caernarfon
Bangor
Llangefni
Holyhead
Conwy
Denbigh
Mold
Wrexham
Llangollen
Ruthin
Cerrigydrudion
Betws-y-Coed
Llandudno
Colwyn Bay
Prestatyn
Rhyl
Denbigh
Flint
Holywell
Chester
Ellesmere Port
Wirral
Bangor-is-y-coed
Malpas
Whitchurch
Tarporley
Nantwich
Crewe
Northwich
Runcorn
Warrington
Knutsford
Macclesfield
Congleton
Stoke-on-Trent
Newcastle-under-Lyme
Stafford
Eccleshall
Market Drayton
Newport
Shifnal
Bridgnorth
Ludlow
Tenbury Wells
Kington
Leominster
Bromyard
Ledbury
Malvern
Worcester
Droitwich
Evesham
Pershore
Upton-upon-Severn
Tewkesbury
Cheltenham
Gloucester
Stroud
Cirencester
Malmesbury
Chippenham
Devizes
Marlborough
Swindon
Wantage
Abingdon
Oxford
Witney
Chipping Norton
Banbury
Brackley
Towcester
Daventry
Rugby
Leamington Spa
Warwick
Stratford-upon-Avon
Moreton-in-Marsh
Bicester
Thame
Princes Risborough
Aylesbury
Wendover
Amersham
Chesham
Berkhamsted
Tring
Hemel Hempstead
St Albans
Watford
Rickmansworth
Uxbridge
Hillingdon
Hounslow
Ealing
Brentford
Kingston upon Thames
Richmond upon Thames
Wandsworth
Merton
Croydon
Bromley
Sevenoaks
Tonbridge
Maidstone
Ashford
Canterbury
Dover
Deal
Ramsgate
Margate
Thanet
Dartford
Gravesham
Rochester
Medway
Maidstone
Swale
Sittingbourne
Sheppey
Canvey Island
Southend-on-Sea
Rochford
Basildon
Thurrock
Brentwood
Epping Forest
Harlow
Uttlesford
Braintree
Chelmsford
Maldon
Colchester
Tendring
Harwich
Clacton-on-Sea
Frinton-on-Sea
Southwold
Lowestoft
Great Yarmouth
Norwich
Broadland
Mid Suffolk
Ipswich
Babergh
Sudbury
Haverhill
Bury St Edmunds
Thetford
Breckland
Dereham
Fakenham
North Walsham
Cromer
Sheringham
Holt
Aylsham
North Norfolk
Wymondham
South Norfolk
Diss
Harleston
Beccles
Bungay
Halesworth
Saxmundham
Aldeburgh
Felixstowe
Woodbridge
Leiston
Orford
Hadleigh
Sudbury
Colchester
Maldon
Chelmsford
Brentwood
Basildon
Rochford
Southend-on-Sea
Canvey Island
Thurrock
Epping Forest
Harlow
Uttlesford
Braintree