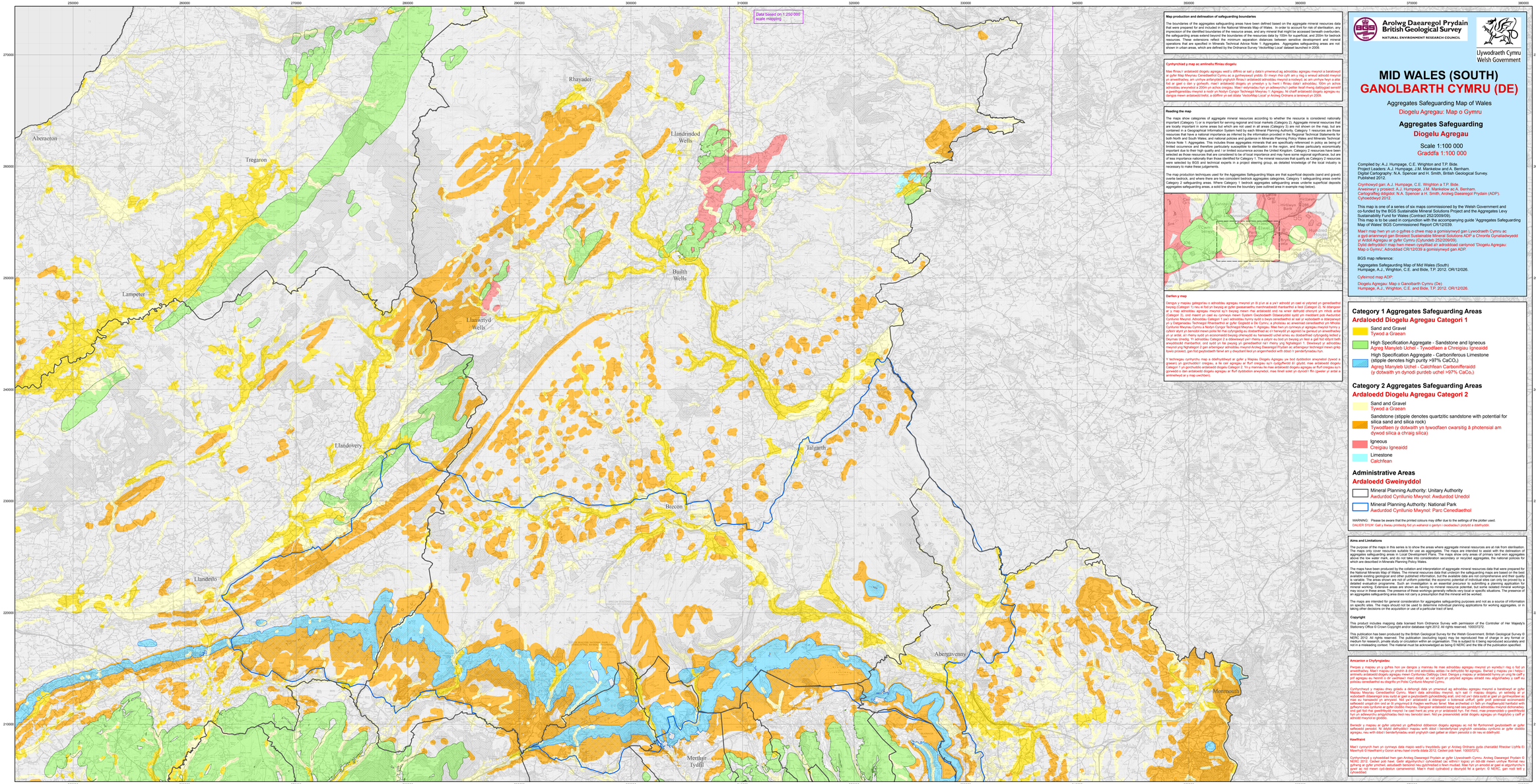

Map production and delineation of safeguarding boundaries

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.

Cyntrychiad 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 ac ychwanegwyd at gyfer Map Mwynau Cenedlaethol Cymru ac a gynhwyswyd ynddo. Er mwyn rhoi cyfrif am y risg o wneud adnodd mwynol yn anweithdrefn, am unrhyw anfanylder ysgrifedig ffiniau'r ardaloedd adnoddau mwynol a nodwyd, ac am unrhyw fwyn a allai fod ar gael 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 estynnadau hyn yn adlewyrchu'r pellter lleiaf rhwng datblygiad sensitif a gweithgareddau mwynol a nodir yn Nodyn Cynghor Technegol Mewnlaw 1: Agregau. Ni chaiff ardaloedd diogelu agregau eu dangos mewn ardaloedd trefol, a ddiffinir yn set data 'VectorMap Local' yr 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 considered to be of local importance, or that are not known to exist, are not shown on the maps. The data that 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 limited occurrence and therefore particularly susceptible to sterilisation in the region, and those particularly economically important due to their high quality and / or limited occurrence across the United Kingdom. Category 2 resources have been identified as being important for serving markets 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 cutlined area in example map below).

Cwmbwrla
Cwmdonkin
Sgeti
Brynhyfryd
Penlan
Caereithin
Llansamlet
Clase
Gorseinon
Hafod
Morfa
Llwynhendy
Dafen
Llanelli
Bynea
Loughor
Penclawdd
Llanrhidian
Llangennith
Llanmadoc
Cwm Ivy
Upper Killay
Sketty
Uplands
Townhill
Mayals
Blackpill
Fairwood
Ilston
Pennard
Parkmill
Bishopston
Swansea
Oystermouth
Langland
Mumbles
Newton
Porthcawl
Nicholaston
Penmaen
Rhosili
Llangennith
Llanmadoc
Cwm Ivy
Upper Killay
Reynoldston
Crofty
Llanrhidian
Penclawdd
Pontlliw
Tircoed
Felinfoel
Llanedi
Pwll
Llwynhendy
Pontyberem
Trimsaran
Kidwelly
Llansteffan
Laugharne
Marros
Pendine
Llanddowror
Whitland
Cwmgwili
Llangyndeyrn
Cefn Cribwr
Kenfig Hill
Cornelly
Bonllwyn
Carway
Cefneithin
Crwbin
Grove
Broadway
Manorbier
Penally
Lamphey
Hundleton
Pembroke
Pembroke Dock
Llanstadwell
Neyland
Milford Haven
Herbrandston
Hakin
Hubberston
Hollyford
Scoveston
Fishguard
Goodwick
Manorowen
Jordanston
Croesgoch
Zonland
Trefdraeth
Berllan Deg
Fishguard
Letterston
Clarbeston Road
Maenclochog
Eglwyswrw
Crymych
Arberth
Narberth
Templeton
Narberth
Narberth Road
Tenby
Saundersfoot
Kilgetty
Begelly
Lydstep
Manorbier
Tenby
Penally
Kiln Park
Lamphey
Pembroke
Pembroke Dock
Llanion
Hundleton
Monkton
Neyland
Milford Haven
Llanstadwell
Herbrandston
Hakin
Hubberston
Hollyford
Scoveston
Fishguard
Goodwick
Manorowen
Jordanston
Croesgoch
Zonland
Trefdraeth
Berllan Deg