

# Cefn Mawr Quarry

## Site Biodiversity Action Plan



Prepared: November 2011

Updated: December 2022

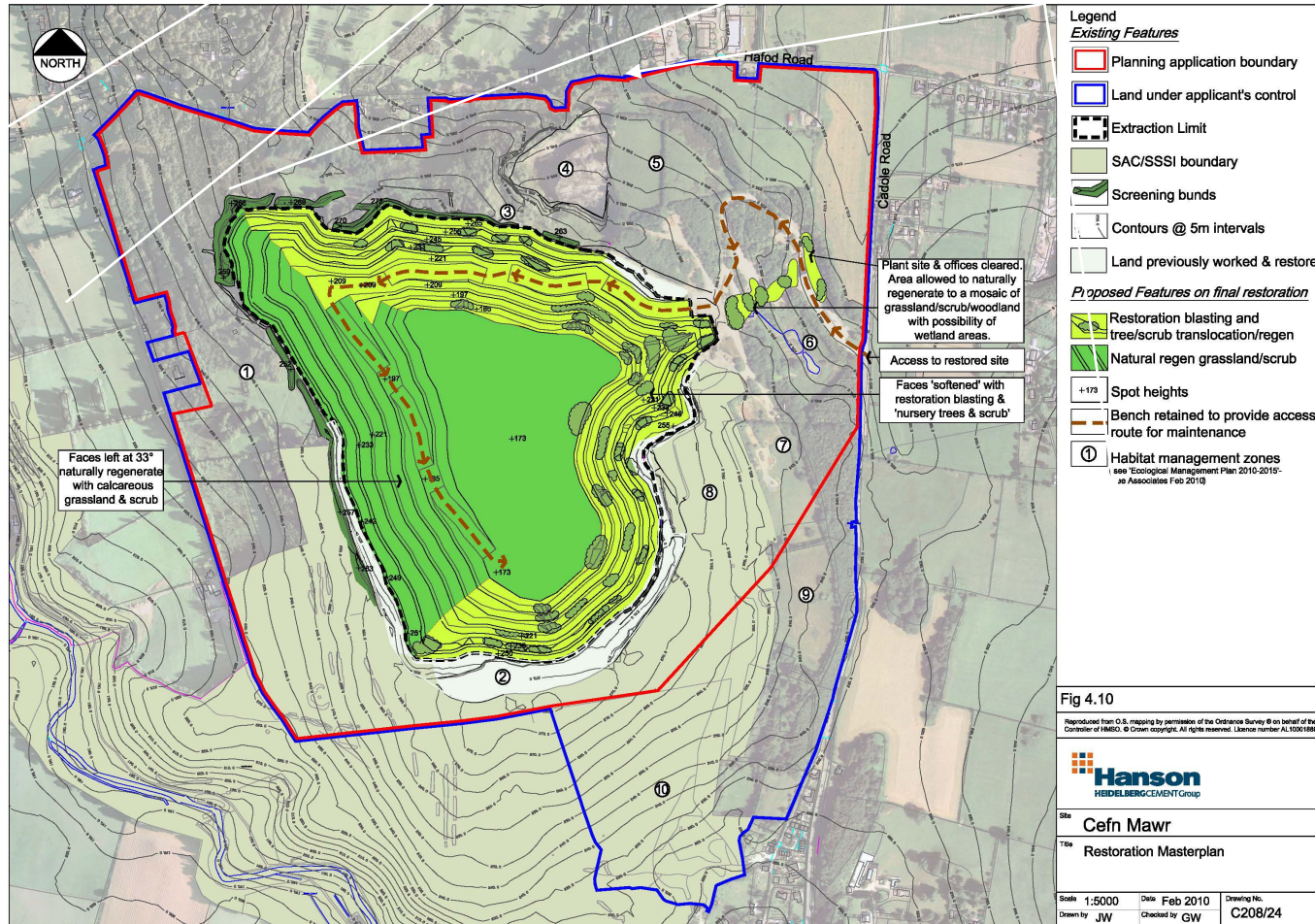
### Site Information- Cefn Mawr

<b>Site Name and Location (incl. Grid Ref.)</b>	<b>Cefn Mawr Quarry</b> , Pantybuarth, Mold SJ 199 635 centre of site
<b>Hanson Company</b>	Hanson Cement
<b>BAP(s) that will be targeted</b>	UKBAP Flintshire BAP Denbighshire BAP
<b>Habitat(s) to be developed</b>	Broadleaved Woodland Hedgerows Calcareous grassland, Open Mosaic. Ponds Annex 1 habitat - Tilio-Acerion forests of slopes, scree and ravines
<b>BAP species to be encouraged</b>	Badgers Hedgehog Brown hare Fritillaries Reptiles Bats Grizzled Skipper Song Thrush Bullfinch Tree Sparrow
<b>Designated Natural Area</b>	None in Wales however site is within the Clywdian Range AONB
<b>Background and site description</b>	<p>Cefn Mawr Quarry is a limestone quarry (Lower Carboniferous, Cefn Mawr and Loggerheads Limestone Formations) located west of Mold in North Wales, between the villages of Pant-y-buarth and Cadole</p> <p>The majority of the extracted limestone supplies the cement-making process at Hanson Cement, Padeswood, Mold, which in turn supplies the building and development sector. A biodiversity audit (commissioned by Heidelberg Cement) was carried out on the site in 2008 which identified the ecological features of the site. Extraction activities have led to the formation of artificial features within the quarry that mimic those found in the natural landscape, such as rocky coastal cliffs, upland scree slopes and limestone pavement. Broadleaved woodland, species-rich calcareous grassland and ponds are present, all of which are BAP priority habitats.</p> <p>Statutorily-protected species (e.g. bats and badgers) are found on the site and some species present are listed on the UK, Flintshire and Denbighshire BAPs (e.g. Fritillaries). Nationally scarce plants such as Green-flowered Helleborine, Spring Sandwort and Stinking Hellebore are also present.</p>
<b>National Designations (SSSI, SAC, SPAs, RAMSARs and NPs) within 500m</b>	Alyn Valley Woods and Alyn Gorge SSSI within site Alyn Valley Woods SAC within site Clywdian Range and Dee Valley AONB within site
<b>Resource</b>	Restoration budget. Some land falls within SSSI/SAC

<p><b>Requirements- comment on cost if appropriate</b></p>	<p>designation and requires annual costs for management (consultation is carried out with NRW as appropriate).</p> <p>Implementation of the Cefn Mawr Ecological Management Plan is ongoing.</p>
<p><b>Contribution to biodiversity</b></p>	<p>Expansion of UK/LBAP priority habitat '<i>Unimproved calcareous grassland</i>' through annual scrub and bracken management providing further habitat for UK/LBAP butterflies (Fritillaries).</p> <p>Expansion and management of ponds (UKBAP priority) providing habitat for invertebrates and also for Common Toad (UKBAP priority).</p>
<p><b>Partners and Local initiatives</b></p>	<p>Natural Resources Wales Cefn Mawr Habitat Management Committee</p>
<p><b>Other documents supporting the site BAP</b></p>	<p>Cefn Mawr Quarry Biodiversity Study 2008 Cefn Mawr Quarry Ecological Management Plan Cefn Mawr Quarry Restoration Plan</p>



# Site Layout



## Action Plan

Item No.	Objective	Biodiversity Feature	Targets	Tasks	Assessing Indicator	Responsible Person	Timescale (Completion)
1	Restore important habitats	(A) Unimproved calcareous grassland/limestone pavement	Control bracken dominated areas  Increase and maintain calcareous grassland	1.Bracken/scrub control to be carried out annually  2.Sheep grazing commencing late summer (Aug) Annual scrub removal carried out in autumn (Sept)	Area of calcareous grassland increased (ha) Detailed in annual report. Up to 2022 the calcareous grassland area has increased by 0.36ha.	Site Manager/ Consultant Ecologist	Report annually for life of site
		(B) Ponds	Increase area of open water  Increase area of open water available in large drainage pond (south of crusher plant)	1.Join two small ponds to provide larger body of water for breeding amphibians and invertebrates  2.Partial removal of Reedmace to provide balance of open water to marginal vegetation (Aug/Sept)	Area of open water created (ha)	Site Manager/Landscape Architect/ Consultant Ecologist	Report annually for life of site
		(C) Broadleaved woodland	Removal of invasive non-native species where appropriate	1. Identify and mark species to be removed (e.g. leylandii). Remove outside main bird-breeding season (e.g. Sept – Feb)	Non-native/invasive trees removed (no.)	Consultant Ecologist	Report annually for life of site
		(D) Hedgerows	Create new hedgerow (approx 50m)	1.New hedge to be planted at eastern border (base of slope) to provide stock-proof	New hedge planted (m)	Landscape Architect/ Consultant	Report annually for life of site

			Maintenance of existing hedges	barrier and wildlife habitat. Maintenance of all hedges to be carried out outside main bird-breeding season (i.e. Sept – Feb)		Ecologist	
<b>2</b>	<b>Protect species</b>	Bat  Reptiles	Maintain habitat suitable for Bat and reptile populations	1. Monitor condition of bat boxes on site and replace/repair as necessary.  2. Create opportunities for additional features for reptiles during site development such as logs for basking	Boxes monitored annually.  Annual reptile surveys	Consultant Ecologist	Report annually for life of site
<b>3</b>	<b>Encourage rare species</b>	Fritillaries Grizzled Skipper Wall Brown Small Heath  Scarce plants	Enhance areas for potential new colonies  Maintain scarce plant populations	1. Create stepping stone glades to encourage expansion of species (especially GS). Monitor through annual walkover surveys  2. Monitor through annual surveys.	No. of colonies/populations. Count of individuals.	Landscape Architect/Consultant Ecologist	Report annually for life of site
<b>4</b>	<b>Consult with NRW and other group members of habitat management committee</b>	Calcareous grassland and broadleaved woodland management/restoration within SSSI	Annual Habitat management committee meeting with NRW and other members. SSSI consent annually.	1. Consultation with NRW. 2. Apply for SSSI consent for works	Annual habitat meeting between Hanson and NRW and other group members. SSSI consent.	Site Manager/Landscape Architect/Consultant Ecologist	Annually