

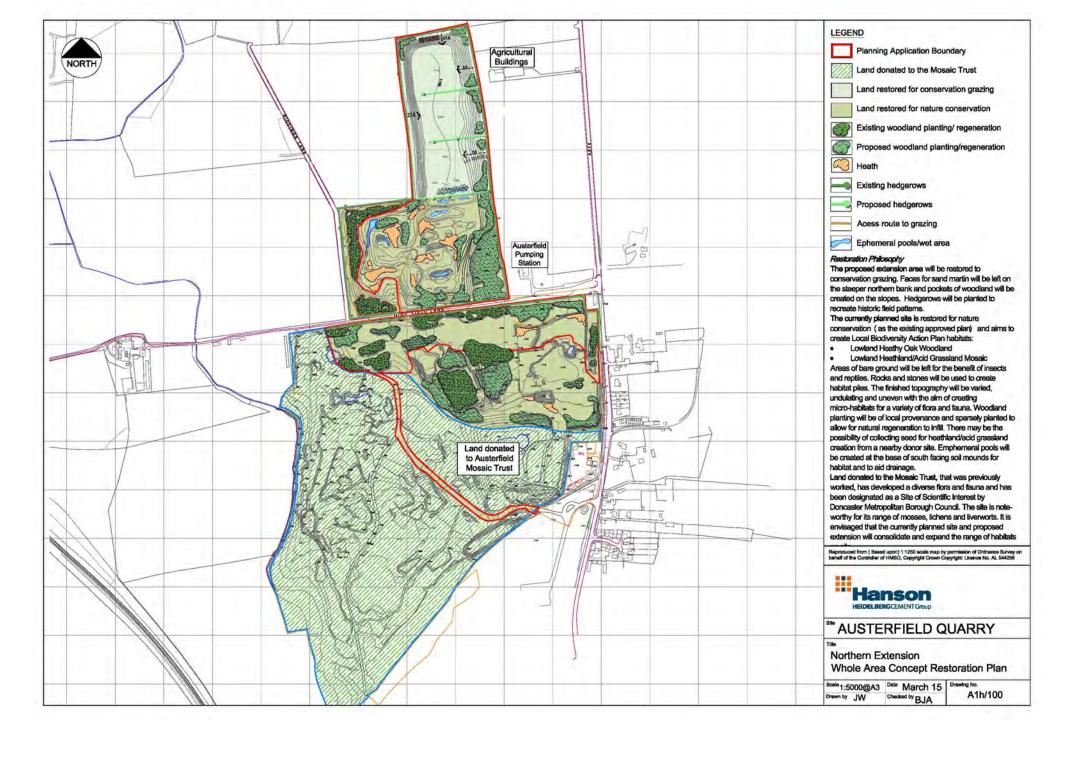
## Austerfield Quarry Site Biodiversity Action Plan



Prepared: May 2010 Updated: November 2022

## **Site Information-Austerfield**

Site Name and	Austerfield Quarry is situated approximately 1km to the north of Bawtry in
Location	South Yorkshire.
	Grid ref SK 657 947
Hanson Company	Hanson Aggregates - North
BAP(s) that will be	Doncaster BAP
targeted	
BAP Habitat(s) to be	Hedgerows, lowland mixed deciduous woodland, lowland heath and acid
developed	grassland
BAP species to be	Mammals: Water vole, brown hare, harvest mouse, bats (all species)
encouraged	Birds: Barn owl, woodland edge species (turtle dove, green woodpecker,
	bullfinch, spotted flycatcher, lesser spotted woodpecker, farmland
	species (marsh tit, tree sparrow, grey partridge, corn bunting, yellow
	wagtail, skylark) and sand martin
	Reptiles and amphibians: All species
	Invertebrates: Solitary wasps and bees
	Plants: number of heath/acid grassland species listed in the Preliminary
	Atlas for Doncaster (January 2007)
	Mosses, lichens and ferns
Designated Natural	Humberhead Levels
Area	
Background and	To the south of the quarry lies the River Idle Washlands SSSI, to the
site description	west of the site is King's Wood, an area of Ancient and Semi-natural
_	woodland. The older part of the quarry is managed by the Mosaic Trust,
	a charitable body, which has been involved with the quarry restoration
	since the year 2000, with which Hanson has a strong partnership. The
	quarry is operational and is being restored progressively. In November
	2015 an extension of the quarry to the north was approved and this will
	be worked and restored progressively.
National	Between the quarry and Bawtry to the south lies the River Idle
Designations (SSSI,	Washlands SSSI, designated due to its good examples of wet grassland
SAC, SPAs,	plant communities and large number of passing and wintering waterfowl.
RAMSARs and NPs)	The older part of the quarry is designated as an SSI (County wildlife site)
within 500m	
Resource	Works funded by restoration budget.
Requirements	
Contribution to	Compliance with legislation and planning.
biodiversity &	Identification of areas of nature conservation value that are being
benefits	retained for positive management for wildlife.
	When fully worked restored the site has the potential to hold BAP priority
	habitats and their associated species most notably lowland heathland
	and acid grassland. Restoration of the site (including the northern
	extension) will fit with the existing designated local wildlife site and
	increase the biodiversity value of the area as a whole.
Partners and Local	The Mosaic Trust
initiatives	
Other documents	Site Restoration Plan
supporting the site	Management and Aftercare Plan
BAP	



## **Action Plan**

Ite No		Biodiversity Feature	Targets	Tasks	Assessing Indicator	Responsible Person	Timesca le (Comple tion)
1	Creation of lowland acid grassland.	Lowland acid grassland, moss and lichen rich.	Establish areas of lowland acidic grassland using natural regeneration or seeds of local provenance.	1.Create and seed acid grassland     2. Manage acid grassland once established	Ha restored and managed	Landscape Architect	2029
2	Restoration and creation of hedgerows and woodland areas.	Hedgerows encouraging birds, invertebrates.  Broad-leaved and mixed woodland.	Increase in amount of hedgerow on site.  Increase connectivity of habitats on site  Increase in woodland on site.	1. Plant and manage hedgerows in accordance with detail in establishment and aftercare report.  2. Plant and manage/create woodland areas in accordance with detail in establishment and aftercare report including glades and coppice.	Lin. m planted and maintained  Ha. planted and managed.	Landscape Architect	2029
3	Creation of shallow pools and ephemeral wetland habitat	Open water/shallow pools and ephemeral ponds	Create shallows and marginal habitat suitable for target amphibian species and dragonflies etc	1.Create pools  2.Restrict access/install signage to particularly sensitive areas (i.e. bird nesting sites such as sand martins)	Successful breeding by number of species Viable breeding populations of amphibians and dragonflies	Landscape Architect Site Manager	Ongoing until 2029 Annually
4	Species conservation and management.	Bats (all species).  Birds: Barn owl, woodland edge species, farmland species and sand martins  Reptiles and amphibians: all common species  Invertebrates: Solitary wasps and bees  Plants: species of heath/acid grass mosaic .  Mosses, lichens and ferns	Bat box program in suitable trees on site.  Creation of suitable woodland and hedgerow habitat for range of species. Maintenance of breeding population of sand martins.  Viable populations of a number of the common species.  Maintain and increase populations through habitat creation.	2. Maintain vigilance of existing nest sites and limit disturbance by making site staff aware of habitat areas. Leave a suitable sand cliff for sand martins and/or build an artificial nesting wall.  3. Maintain woodland edge habitat near areas of open grassland to provide suitable habitat for reptiles.  4. Manage to maintain bare sand areas	Bat box checks  Regular breeding by a range of species including sand martins.  Records of species  Presence of nesting holes in sandy areas  Continued	Ecological Consultant Site Manager  Mosaic Trust/ Landscape Architect	Ongoing until 2029

			To maintain presence of species already recorded (13 species)	5. Manage current habitats where the species are found to maintain in favourable condition and provide new habitat for colonisation.	presence in previous areas and presence within new areas		
5	Habitat and species monitoring.	All of the above.	Maintain agreed monitoring programme to ensure target species are monitored and appropriate response agreed.	1. Monitoring data on bird and rare plant species collected and summarised in a report during extraction and continuing for 5 years following restoration.	Monitoring reports	Mosaic Trust/local nature groups	Every five years up to 2034