

# Tytherington Quarry

## Site Biodiversity Action Plan



Prepared: July 2008

Updated: March 2014  
September 2018

### Site Information- Tytherington Quarry

<b>Site Name and Location (incl. Grid Ref.)</b>	Tytherington Quarry, Nr Thornbury ST 657 888 (Plant Site)
<b>Hanson Company</b>	Hanson Aggregates
<b>BAP(s) that will be targeted</b>	South Gloucestershire BAP SW Region BAP UK BAP
<b>Habitat(s) to be developed</b>	Species rich hedgerows Calcareous grassland Broadleaved woodland
<b>BAP species to be encouraged</b>	Dormice ( <i>Muscardinus avellanarius</i> ) Song thrush ( <i>Turdus philomenos</i> ) Bullfinch ( <i>Pyrrhula pyrrhula</i> ) Slow worm ( <i>Anguis fragilis</i> )
<b>Natural Character Area</b>	Bristol, Avon Valleys and Ridges
<b>Background and site description</b>	57ha carboniferous limestone quarry situated in South Gloucestershire, the site comprises two separate excavations (Woodleaze and Grovesend) linked by a tunnel, there is a third excavation (North Face) to the north, however this is out of Hanson's ownership. There is a range of habitats, including small pockets of calcareous grassland, hedgerows, small amounts of semi-natural woodland, young plantations and agricultural fields. The surrounding landscape comprises mainly agricultural fields, to the south west of the quarry is the M5 and to the north east the A38.
<b>National Designations (SSSI, SAC, SPAs, RAMSARs and NPs) within 500m</b>	Tytherington Quarry (geological) SSSI situated in North Face excavation (outside of Hanson UK ownership)
<b>Resource Requirements-comment on cost if appropriate</b>	Quarry restoration budget will cover most aspects of the BAP including planting and maintenance of target habitats. In the past FC Woodland Grant Schemes have been paid for the planting of new woodlands
<b>Contribution to biodiversity</b>	<ul style="list-style-type: none"> <li>• Preserving and improving existing calcareous grassland habitat fragments that have arisen by chance through historic quarrying activity</li> <li>• Creation of habitat linkages with Tytherington Tunnel SNCI through new restoration planting</li> <li>• Improving habitats for target species such as dormice, bull finch, song thrush through habitat creation and management</li> </ul>
<b>Partners and Local initiatives</b>	Area lies within the Forest of Avon (Community Forest)
<b>Other documents supporting the site BAP</b>	Quarry development and restoration plans required to satisfy ROMP/IDO conditions T6m/86b

**Site Layout**



## Action Plan

Item No.	Objective	Biodiversity Feature	Targets	Tasks	Assessing Indicator	Responsible Person	Timescale (Completion)
1	Maintain, improve and extend existing resource of calcareous grassland	Species rich sward, range of orchid species incl. Pyramidal and Common Spotted. Various butterfly and invertebrate species. Basking habitat for slow worms	<p>Manage existing resource to prevent decline of quality and extent. Review success of previous scrub clearance.</p> <p>To provide and restore further areas of open limestone grassland</p>	1. Remove scrub from areas of wildflower grassland and monitor and control re-encroachment	Area cleared	Landscape Architect	0.2ha cleared 2007, 0.1 ha 2009 Next phase to be completed Q1 2020
				2. Incorporate new wildflower grassland into ROMP restoration design	Restoration design amended	Principal Landscape Manager	Design complete
				3. Take opportunities to increase extent through restoration of appropriate tip/bench areas	Area created	Site manager	Ongoing
2	Improve structure and diversity of existing hedgerows and woodlands	Species rich hedgerows and woodlands will improve foraging, dispersal and shelter for bats, birds and dormice.	To identify existing resource and bring into favourable condition through appropriate management	1. Survey existing resource for management requirements	Surveys carried out	Landscape Architect	Complete Hedge report 2009, Woodland report 2010
				2. Incorporate management proposals into IDO/ROMP aftercare scheme	Aftercare scheme drawn up and approved	Landscape Architect	Q2 2019
				3. Review management reports and implement sensitive management regime including; thinning, coppicing, hedge flailing.	Area/ Length positively managed	Site Manager	Initial phase of management complete Q4 2020

3	To improve structure and diversity of middle aged plantations	Broadleaved woodland and associated flora and fauna	Improve the habitat quality of middle-aged plantations	<p>1. Survey existing resource for management requirements</p> <p>2. Carry out management by selective thinning to favour long-lived natives, introduce dead wood, promote understorey and ground flora species.</p>	<p>Report produced</p> <p>Area managed</p>	<p>Landscape Architect</p> <p>Site Manager</p>	<p>Assessment carried out by Q4 2019</p> <p>Initial phase of management complete Q4 2020</p>
4	Habitat extension and linkage	Broadleaved woodland, calcareous grassland and associated flora and fauna	Improve connectivity of existing habitats and reduce fragmentation	<p>1. Incorporate woodland and grassland linkages in ROMP restoration design</p> <p>2. Undertake new planting in accordance with approved screening and restoration schemes.</p> <p>3. Avoid new disturbance of re-colonising Grovesend tip grassland</p>	<p>Plan produced</p> <p>Area planted/ restored</p> <p>No further disturbance</p>	<p>Principal Landscape Manager</p> <p>Site Manager</p> <p>Site Manager</p>	<p>Complete</p> <p>Ongoing</p> <p>Ongoing</p>