

Daglingworth Quarry

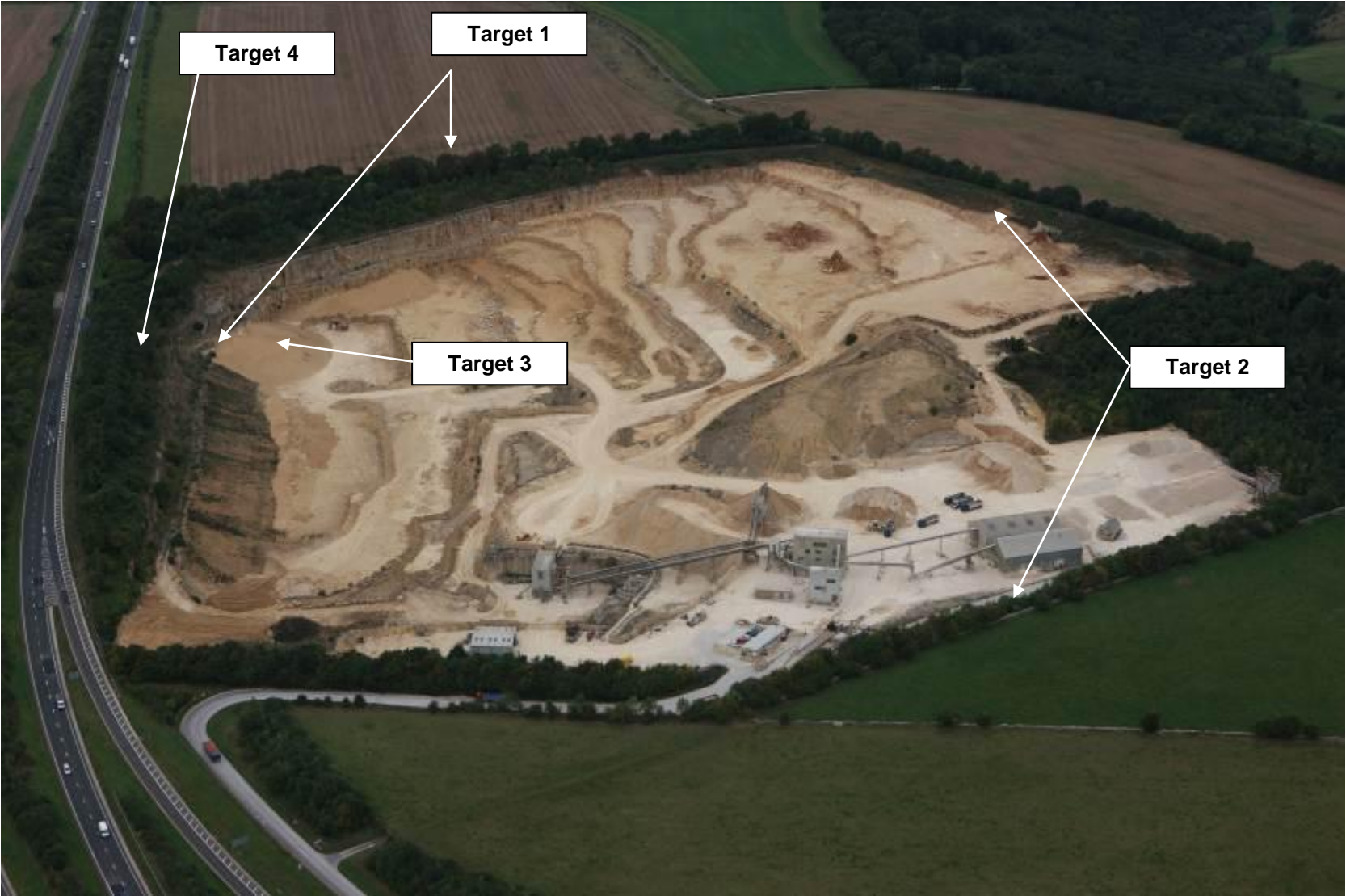
Site Biodiversity Action Plan



Site Information- Daglingworth Quarry

Site Name and Location (incl. Grid Ref.)	Daglingworth Quarry, nr. Cirencester, Gloucestershire SP 002 060 (plant site)
Hanson Company	Hanson Aggregates
BAP(s) that will be targeted	Biodiversity Action plan for Gloucestershire
Habitat(s) to be developed	Calcareous Grassland Woodland and scrub
BAP species to be encouraged	Bird and invertebrates species associated with the above LBAP habitats
Designated Natural Area	Cotswolds (55)
Background and site description	<p>A Cotswold stone quarry extracting limestone from middle Jurassic and middle to upper Bathonian Stage Great Oolite. The surrounding landscape is a mix of arable farmland and agricultural pasture with a network of hedgerows and pockets of broadleaved woodland including Cirencester park. The low-level restoration scheme proposes creation of an area of agricultural grassland across approx. half the quarry floor utilising the site's remaining topsoil resources, an area of calcareous grassland on 300mm of quarry waste fines across remainder of quarry floor, and tree planted batters comprising quarry waste fines around edges. The design also includes a species rich hedgerow with some areas of tree and shrub planting that will divide the two types of grassland.</p> <p>Site already has Geodiversity Action Plan in place, and restoration backfill design aims to ensure entire geological succession is accessible at some point around the site at interface between remnant faces and backfill tips.</p>
National Designations (SSSI, SAC, SPAs, RAMSARs and NPs) within 500m	None
Resource Requirements- comment on cost if appropriate	Restoration earthworks, tree planting and grass seeding will be covered within the site restoration budget.
Contribution to biodiversity	Good restoration performance and positive PR available from biodiversity achievements could assist progress of future application for north western extension.
Partners and Local initiatives	None known, landlord Duchy of Cornwall have interest in ,longer term land use
Other documents supporting the site BAP	Quarry development and restoration plan D50m/18d

Site Layout



Action Plan

Item No.	Objective	Biodiversity Feature	Targets	Tasks	Assessing Indicator	Responsible Person	Timescale (Completion)
1	Ecological monitoring and recording	All likely local flora and fauna of interest and conservation concern	Improve and update site records to aid future BAP management and development	1. Appoint and brief ecological consultant to carry out surveys for target species/genera.	Resulting reports and action plans	Site Manager	Initial report by quarter 4 of 2014 then updated every 5 years
2	To control invasive alien vegetative species	Locally native ground flora and semi native woodland character	To successfully eradicate invasive alien species , predominantly Japanese knotweed	1. To continue to control Japanese knotweed	Complete eradication of Japanese Knotweed within 5 years	Site Manager	Ongoing control of knotweed.
3	To develop appropriate vegetation on restored land	Calcareous grassland and its associated flora and fauna Woodland restoration	Establish trial plots on backfilled restoration batter to identify the best methodology of creating grassland and native woodland	1. Draw up methodology for trial plots and implement and monitor results 2. Establish wildflower trial plot 3. Monitor and maintain existing tree planting trial plot	-Regular monitoring of trial plots and implementation of results in all new restoration. -Area of new wildflower grassland restored -Area of new woodland restored	Site Manager	Methodology drawn by quarter 1 of 2015 and implemented by quarter 3 2015 Tree species trial plot established
4	Positive management of existing woodland blocks to improve habitat quality	Semi natural woodland and its associated flora and fauna	Thin plantation to favour native species and improve structure	1. Carry out target 1 and subsequently: 2. Mark up appropriate trees to be thinned, 3. Submit Felling Licence application to FC. 4. Let felling contract	- Area of plantation thinned - Extent of understorey present - % of non-native canopy reduced to less than 20%	Site Manager	Trees marked and felled by quarter 1 of 2016