

Smiths Concrete Ltd Bubbenhall Pit

Site Biodiversity Action Plan

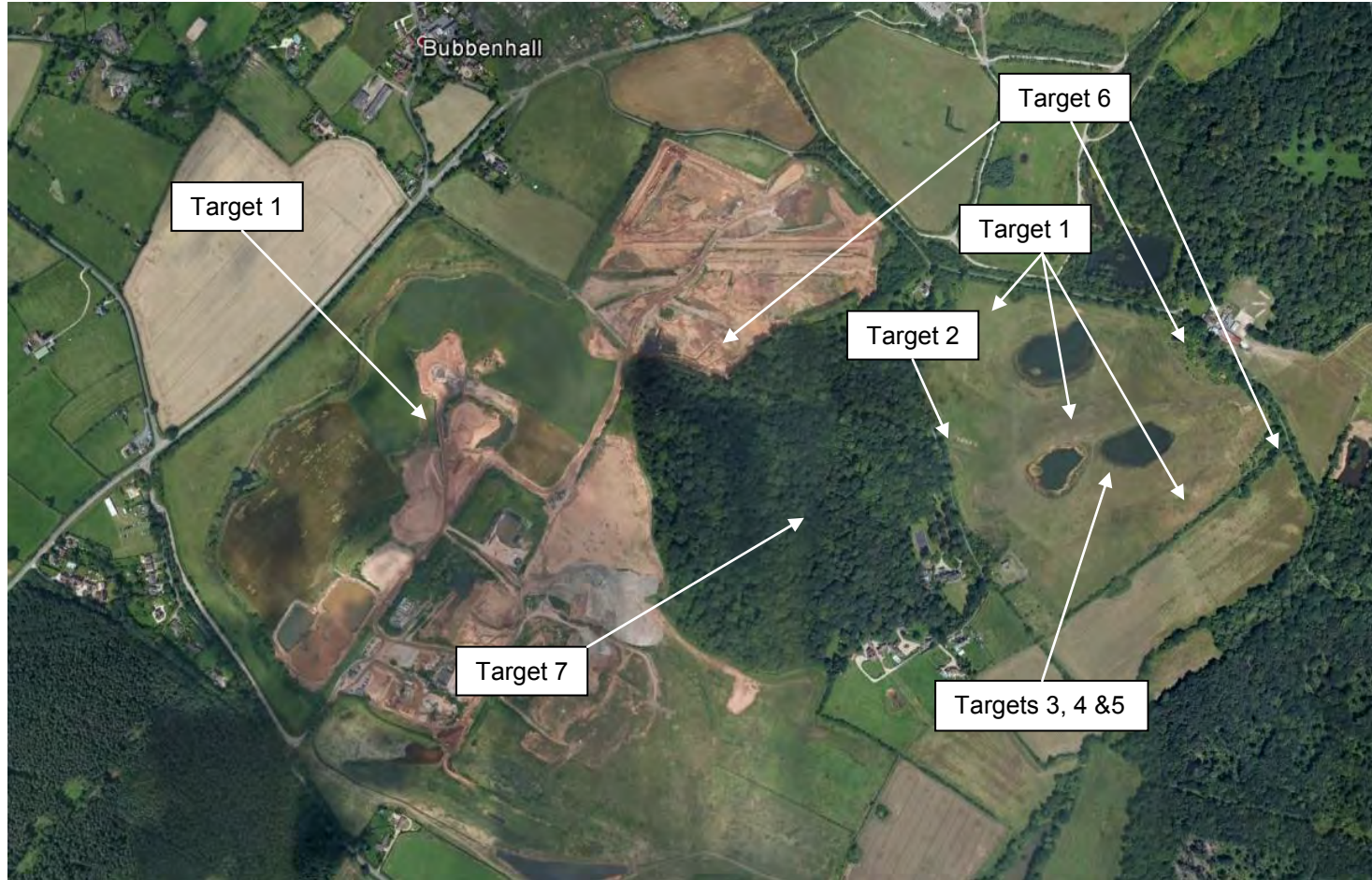


Site Information- Bubbenhall

Site Name and Location (incl. Grid Ref.)	Bubbenhall Pit, Bubbenhall, nr Coventry. Centre of wood and grassland area Grid SP 370 717	
Hanson Company	Smiths Concrete (JV)	
BAP(s) that will be targeted	Warwickshire Local Biodiversity Action Plan UKBAP	
LBAP Habitat(s) to be developed	Broadleaved woodland Lowland neutral grassland, Ponds, lakes and reservoirs	
BAP species to be encouraged (UKBAP species in italics)	<i>Dormice</i> <i>Soprano pipistrelle bat</i> <i>Brown long-eared bat</i> <i>Noctule bat</i> <i>Skylark</i> <i>Yellowhammer</i> Grey partridge	<i>Starling</i> <i>Great crested newt</i> <i>Wood white</i> <i>Grizzled skipper</i> <i>Dingy Skipper</i> <i>White-letter Hairstreak</i> Snipe <i>Barn owl</i>
Designated Natural Area	Just within the Midland Clay Pasture Natural Area and adjacent to the Midland Plateau	
Background and site description	Sand and gravel pit extracting Baginton formation deposits to a depth of up to 8m comprising top sand and lower sand/gravel, beneath variable depth of often clayey overburden. Glebe Farm (47.5Ha) and Wood Farm (21.5Ha) areas both formerly under arable cultivation. Restoration of Glebe Farm based on backfill with inert waste to roughly original ground levels to achieve agricultural afteruse, Wood Farm restored at lower level with on-site overburden materials only, to biodiversity afteruse of native woodland, ponds and low key agricultural use. Total landholding of approx. 91ha includes Bubbenhall Wood, 21Ha of Ancient Semi-Natural Woodland.	
National Designations (SSSI, SAC, SPAs, RAMSARs and NPs) within 500m	Approx. 1ha area at SW corner of Bubbenhall Wood is designated as Geological SSSI due to palaeo river channel deposits. Ryton Wood SSSI 100m to east of Wood Farm, which is Warwickshire Wildlife Trust ASNW nature reserve	
Resource Requirements- comment on cost if appropriate	<ul style="list-style-type: none"> • Most restoration earthworks and aftercare costs already previously budgeted for as normal restoration expenditure required to implement approved restoration design. • Dormouse monitoring ongoing via PTES and NE Species Recovery Programme. • Woodland management and establishment grants likely to be available through FC EWGS. 	
Contribution to biodiversity	<ul style="list-style-type: none"> • Significant contribution to providing continuity of woodland habitat and vital linkages between existing fragmented ancient woodlands • Many opportunities within Wood Farm restoration area to benefit ground flora, a number of bird species, amphibians, invertebrates, bats and dormice • Use of predominantly natural regeneration and use of locally collected stock will preserve local genetic integrity • Ongoing sensitive management of Bubbenhall Wood will preserve and enhance ancient woodland flora and fauna 	
Partners and Local initiatives	<ul style="list-style-type: none"> • Princethorpe Woods Project operating within Warwickshire Wildlife Trust (owners of adjacent Ryton and Wappenbury Woods) 	

	<ul style="list-style-type: none"> • Peoples Trust for Endangered Species re dormice • Warwickshire Geological Conservation Group • Butterfly Conservation (manage Ryton Meadow BC Reserve and with local Conservation Officer available) • Ecoline ecological consultants
<p>Other documents supporting the site BAP</p>	<ul style="list-style-type: none"> • Annual wildlife survey reports provided by Jim Timms (local BC volunteer) • Wood Farm approved restoration scheme B116m/126a • Glebe Farm approved restoration scheme Bright & Associates Masterplan BH827-D1c

Site Layout



Action Plan

Item No.	Objective	Biodiversity Feature	Targets	Tasks	Assessing Indicator	Responsible Person	Timescale (Completion)
1	Linkage and extension of fragmented priority habitats	Improved wooded habitat linkage between Bubbenhall Wood and the rest of the Princethorpe Woodland Complex for dormouse	Achieve closed canopy woodland and hedgerow establishment across extensive restored areas of Wood Farm and Glebe Farm	<p>1. Promote natural regeneration and hedge/copse planting in accordance with annual Aftercare programmes.</p> <p>2. Take opportunity to enhance woodland buffering and linkage with Glebe restoration re-design in event of soil shortfall for intended agricultural afteruse</p>	<p>No. of trees planted and natural regeneration guarded up as per approved proposals plan B116m/126a</p> <p>Glebe Farm restoration as per plan 20e or any improved revised restoration plan</p>	<p>Landscape Manager,</p> <p>consultants re revised Glebe restoration</p>	<p>Substantial woodland regeneration or planting established by Year 5 of aftercare.</p> <p>Glebe hedges and tree planting completed within 2 years of final soil placement.</p>
2	Provide new hibernation bat roost. Provide new summer and autumn bat roosts (with possible hibernacula)	Brown long-eared bat , Daubenton's bat (possibly Whiskered bat) Soprano pipistrelle bat , Common pipistrelle bat (poss. noctule)	<p>Provide communal and solitary roost sites within woodland</p> <p>Creation of an underground 'cave' feature in former conveyor tunnel beneath Pagets Lane</p>	<p>1. Erect and monitor a number of <i>Schwegler</i> style bat boxes within the southern section of the woodland</p> <p>2. Modify existing conveyor tunnel to provide bat 'cave' containing roosting features</p>	<p>Biennial checks of bat boxes during September</p> <p>Records of winter bat populations</p>	Ecological consultant, local bat group?	<p>12 bat boxes erected in woodland since 2010, occupied by pipistrelle in 2011 checks.</p> <p>Complete bat cave fixtures by 2016</p>
3	Flower-rich grassland habitat	Flower-rich grassland, woodland rides and coppice areas to favour grizzled skipper and other butterflies	<p>Establish species- rich grassland (NVC type MG5)</p> <p>Secure appropriate meadow management and woodland ride/glade</p>	<p>1. Sow native wildflower plant mix derived from local provenance source or by the spreading of green hay.</p> <p>2. Secure suitable grazing/hay cutting tenant and implement appropriate</p>	<p>Wildflowers recorded in monitoring records</p> <p>Establish long-term vegetation monitoring</p>	Landscape Manager, Butterfly Conservation	<p>Substantial sowing of locally collected seed in summer 2012</p> <p>Grazing in place by cattle and sheep since</p>

			management	grazing/cutting regime	programme to assess richness and diversity of grassland habitat		2010 Grassland management ongoing through 20 year aftercare period
4	Meadow and woodland birds	Barn owl, common woodland birds including starling	To provide nesting opportunities for barn owls and other birds of prey.	3. Implement mowing of grassy ride/glade network within woodland regeneration areas	Glade and ride mowing undertaken as per aftercare proposals	Ecological consultant. Landscape Manager	Completed - owl boxes erected 2008 (but yet to be occupied) Bird boxes erected in woodland 2010
5	Enhance site for ground nesting birds	Skylark, grey partridge, yellowhammer and possibly snipe	To create an environment suitable for ground nesting birds including areas of permanently wet rush pasture	1. Establish a suitable low-input agricultural regime of hay cutting and aftermath grazing free from spring & early summer grazing.	Grazing regime in place. Annual summer monitoring to assess nesting and foraging activity in the area	Landscape Manager, Grazing tenant	Completed – wet rush pasture areas now well developed, summer grazing only from July onwards
6	Establish and maintain ponds and associated wetland vegetation	Great crested newts, daubenton's bats and snipe	To create a series of species rich open water features and associated wetland habitats	1. Provide habitat enhancements to open water features including islands 2. Periodic management of pond vegetation and pond edge scrub to maintain optimum light conditions	Marginal scrapes completed Area of marginal willow scrub coppiced GCN monitoring records showing continued presence	Unit Manager, Landscape Manager ecological consultants	Pond edge enhancements completed summer 2008 , additional pools & scrapes completed 2011 Pond margin management ongoing for 20 year aftercare period

7	Positive management of Ancient Semi-Natural Woodland	ASNW flora and fauna including dormice and wood white butterfly	Maintain conditions suitable for dormouse population by appropriate woodland management	<ol style="list-style-type: none"> 1. Submit new EWGS 10 year management plan and WIG application 2. implement thinning and coppicing 3. Implement woodland ride management and ride edge scallops. 	<p>Dormouse monitoring records</p> <p>Area thinned and coppiced</p> <p>Annual ride mowing completed</p>	Landscape Manager	<p>FC 10-year plan and WIG in place 2012 and underway in 2013</p> <p>Further management ongoing under WIG scheme</p>
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