

Baston

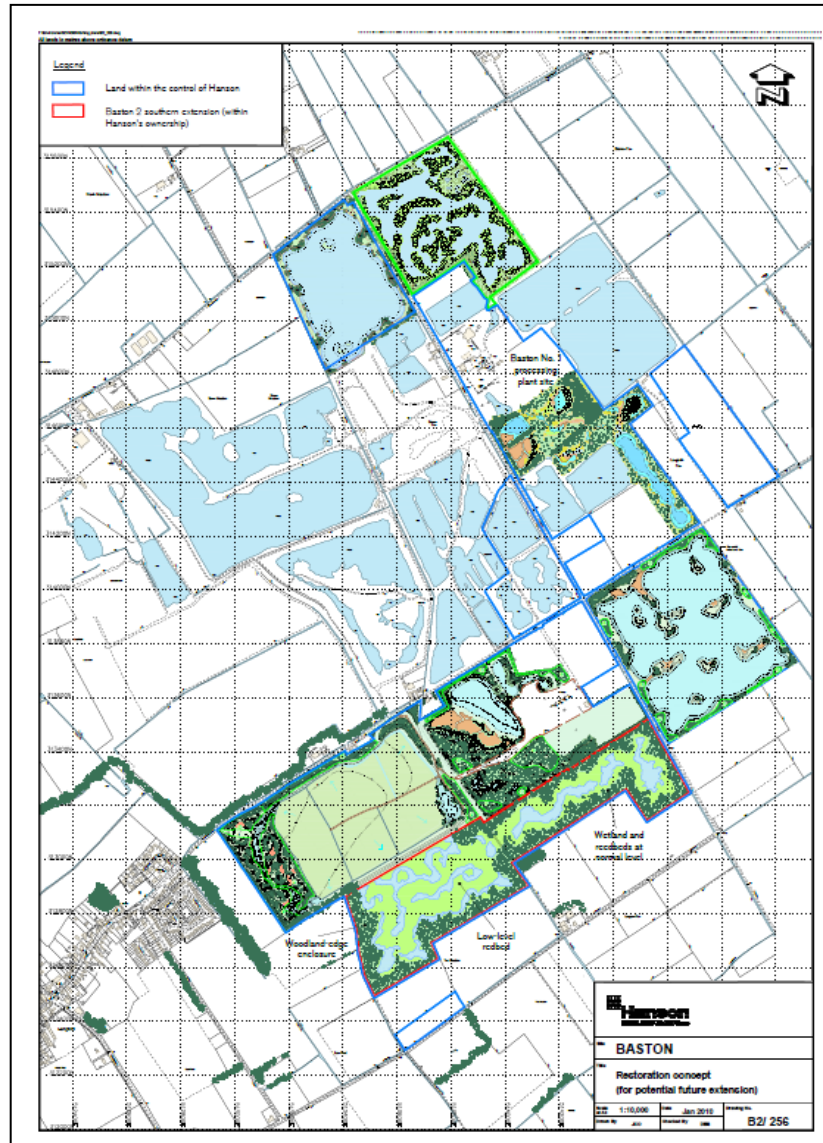
Site Biodiversity Action Plan



Site Information- Baston

Site Name and Location (incl. Grid Ref.)	Baston Quarry, Lincolnshire (TF139154)
Hanson Company	HANSON AGGREGATES – CENTRAL
BAP(s) that will be targeted	National BAP Lincs BAP
Habitat(s) to be developed	Reedbed Standing open water and canals Wetlands (Fen, grazing marsh, reedswamp) Broadleaved Wet Woodland
BAP species to be encouraged	Bittern Water Vole
Designated Natural Area	The Fens
Background and site description	Baston Quarry -A working a fluvial sand and gravel deposit . The site is being restored to create over 20 ha of new reedbed, constructed in phases as the quarrying of the site progresses. The remaining areas of the nature reserve will comprise a matrix of high-grade agriculture, broadleaved woodland, scrub and wetland habitats including wet woodland, fen, reedswamp and grazing marsh. The site is home to a number of protected species including badger, bat, water vole and barn owl.
National Designations (SSSI, SAC, SPAs, RAMSARs and NPs) within 500m	SSSI - Cross Drain Ref:1002856 http://www.sssi.naturalengland.org.uk/special/sssi/sssi_details.cfm?sssi_id=1003003
Resource Requirements-comment on cost if appropriate	Pre-strip ecological surveys and protection of existing habitats are a requirement of planning conditions and legislation. Restoration works are part of an approved scheme.
Contribution to biodiversity	The site will create a large area of national priority habitat and will hopefully attract a population of breeding bittern. The other areas of restoration will create habitat capable of supporting other BAP target and non-target species including Water Vole, Otter, Bearded Tit, Cetti's Warbler and Barn Owl.
Partners and Local initiatives	Lincs' Fens Trust
Other documents supporting the site BAP	Hanson Planning Applications.

Site Layout



Action Plan

Item No.	Objective	Biodiversity Feature	Targets	Tasks	Assessing Indicator	Responsible Person	Timescale (Completion)
1	Restore important habitats.	(A) Reedbed.	Create 20+ ha of reedbed.	Design and construct reedbeds with overburden and soils from stripping operations, each with reed edge, reed area and open water, to be inoculated with reeds by planting, rhizome spreading or other approved establishment method.	Area of reedbed created	Landscape Architect.	Report area
2	Restore important habitats.	(B) Standing open water and canals.	Create 50 ha open water.	Design and construct reedbed-fringed water areas in accordance with approved scheme and incorporating design features to improve biodiversity value where possible.	Area of open water created (ha).	Landscape Architect.	Report annually for life of site.
3	Restore important habitats.	(C) Wetland (Fen, Grazing Marsh, Reedswamp).	Create 20 ha of marginal wetland around reedbeds and water bodies.	Design and restore reedbed marginal areas ("blue zone"). Landforming and levels to allow seasonal inundation by water to allow natural wetland habitat development. Grazing areas to be restored by cultivation and seeding.	Wetland margins created – land area (ha).	Landscape Architect.	Report annually for life of site.
4	Restore important habitats.	(D) Broadleaved Wet-woodland	Plant 3ha new broadleaved woodland.	In accordance with outline restoration scheme, design and plant woodland.	Woodland area planted (ha).	Landscape Architect.	1ha every 5 years.
5	Consult with BAP partner organisations.	Reedbed and whole wetland site restoration.	Maintain contact with Trusts.	Continue design, implementation and aftercare consultation with MPA.	Attendance of meetings between Hanson and MPA.	Landscape Architect.	As necessary

6	Encourage rare species.	Bittern.	Attract booming males and nesting pairs to site.	Through construction and establishment of reedbed (target 1A), and associated open water features (target 1B), create conditions suitable for colonisation by Bittern.	Number of booming males. Number of nesting pairs.	Site Manager, Landscape Architect.	Monitor and report any sightings for life of site.
		Water Vole and Otter	Species noted on site either by site staff or third parties.	Through construction and establishment of wetland features, channels and open water, as per target item 1, create suitable conditions for colonisation of site by water vole and otter, as indicators of general wetland restoration success.	Individuals spotted on site.	Site Manager, Hanson Site Staff, Landscape Architect.	Sightings report for life of site.
7	Protect species.	Bat, Barn Owl	Maintain existing owl and bat boxes.	Monitor condition of owl and bat boxes on site and replace/repair as necessary. Consider opportunities for additional features during site development.	Boxes monitored annually.	Hanson Site Manager, Landscape Architect.	Sightings report for life of site.