

Ingleton Quarry

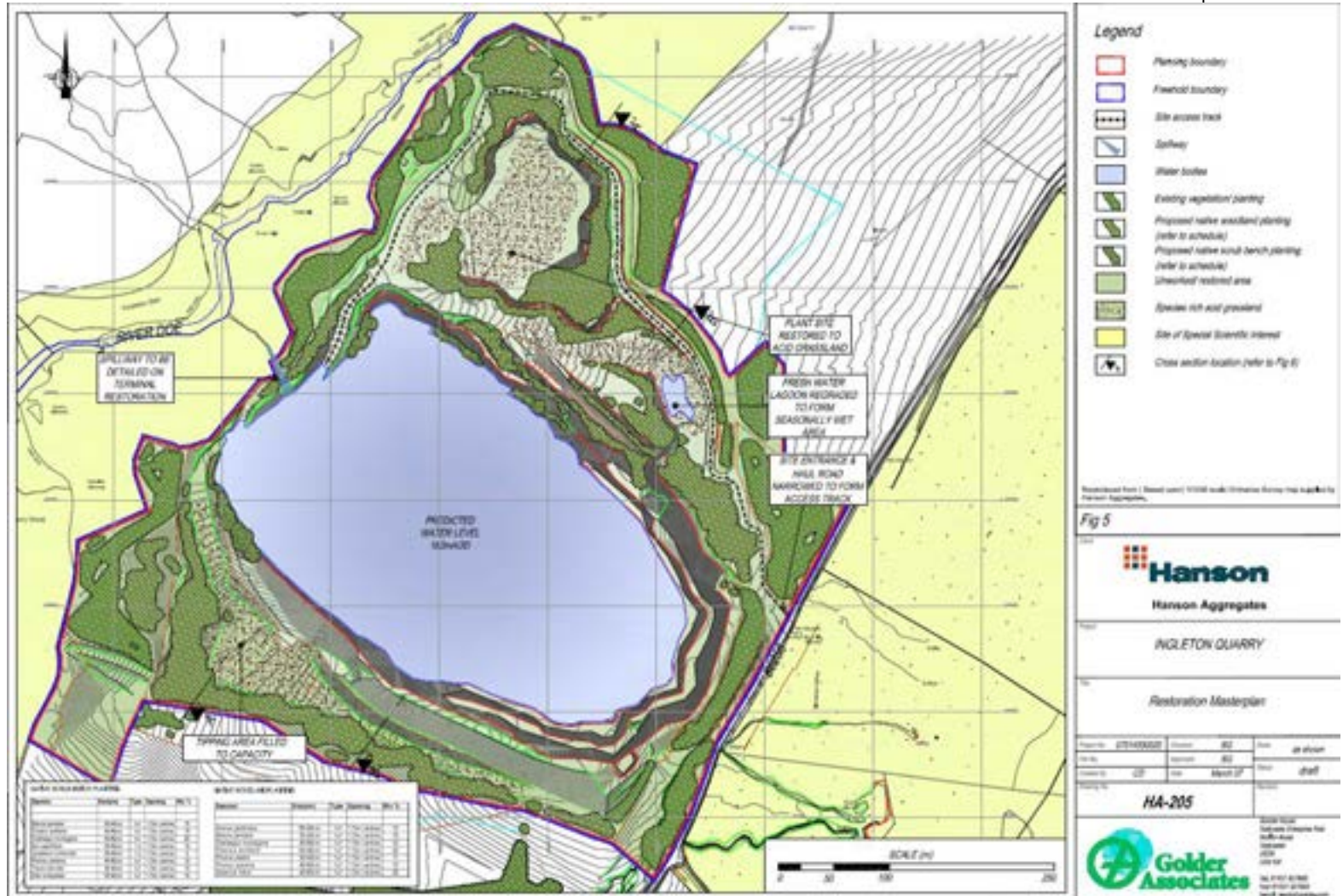
Site Biodiversity Action Plan



Site Information- Ingleton

Site Name and Location	Ingleton quarry located just to the north of the village of Ingleton in North Yorkshire. It is within the Yorkshire Dales National Park. Grid Ref – NY523 587
Hanson Company	Hanson Aggregates - North
BAP(s) that will be targeted	UK BAP The 2nd Biodiversity Action Plan for the Yorkshire Dales Biodiversity Action Plan “Nature in the Dales 2020 Vision” (Yorkshire Dales Biodiversity Forum, 2011).
Habitat(s) to be developed	Upland calcareous grassland; Native woodland
BAP species to be encouraged	<i>Birds: Song Thrush, Wood Warbler, Lesser Redpoll</i> <i>Reptiles, Butterflies, Moths and Beetles</i>
Designated Natural Area	Yorkshire Dales
Background and site description	<p>The quarry area is dominated by the working void with small areas of fringing habitats of broadleaved woodland, planted trees and shrubs and a largely unvegetated quarry waste mound.</p> <p>On restoration, the quarry void is to become a large deep waterbody. The upper benches are to either be left or possibly re-graded through blasting and then planted with patches of scrubby woodland comprising largely silver birch, hawthorn and hazel with juniper, mountain ash, yew, blackthorn and gorse. Further stands of fringing woodland are to be planted around the periphery of the quarry and will include oak and ash with silver birch, alder, hawthorn, blackthorn and bird cherry. Between the tree and scrub planting the areas are to be restored to calcareous grassland. Seed would be sourced locally, potentially from the Ingleborough SAC or, if the grassland has developed at Old Ingleton quarry, from there. The quarry is set within an area of high nature conservation value.</p>
National Designations (SSSI, SAC, SPAs, RAMSARs and NPs) within 500m	Ingleborough Complex – SAC Thornton and Twistleton Glens – SSSI Ingleborough – SSSI Whernside – SSSI Yorkshire Dales National Park
Resource Requirements	Restoration budget.
Contribution to biodiversity	The large deep lake will have limited biodiversity value but it will influence the micro-climate within the fringing habitats to be created on restoration, enhancing humidity in habitats close to the water's edge.
Partners and Local initiatives	Potential for sourcing hay from Ingleborough National Nature Reserve in consultation with YDNP.
Other documents supporting the site BAP	Restoration Plan Outline Management and Aftercare Plan White Young Green (2007)

Site Layout



Action Plan

Item No.	Objective	Biodiversity Feature	Targets	Tasks	Assessing Indicator	Responsible Person	Timescale (Completion)
1	To create woodland in keeping with the upland oak woodland found in the wider area.	Broadleaved woodland	Approximately 4ha already planted with a further 4ha at final restoration	1. Plant oak (<i>Quercus petraea</i>)	Ha planted and success of planting. Annual survey for five years of the establishment and growth of trees and detailed in annual report.	Landscape Architect	2019 to 2039
2	To create upland calcareous grassland similar to the grasslands in adjacent statutory sites.	Upland calcareous grassland	Approximately 3ha to be created at final restoration	1. Trials at Old Ingleton quarry with seed from local source within National Nature Reserve will determine how the grassland at Ingleton is restored	Ha planted and success of seed translocation. Annual survey for five years of the establishment and development of the grassland on final restoration.	Landscape Architect	2019 to 2024
3	To assist in the action plan for Yorkshire feather moss (<i>Thamnobryum cataractarum</i>)	Yorkshire feather moss (<i>Thamnobryum cataractarum</i>)	To maintain the population present within Thornton and Twistleton SSSI in the gorge below the quarry. Very rare and endemic species discovered as recently as 1991 and currently only known from this single site.	1. Provide funding for further surveys of the populations within the SSSI on a five-yearly basis.	Population numbers.	Landscape Architect Site Manager	2014,2019, 2024,2029, 2034 & 2039
4	To provide habitat for reptile species.	Reptiles	To create mosaic habitat suitable for reptiles	1. Creation of scrub and grassland mosaic on final restoration with open glades for basking	Survey of established habitats at the end of the 5-year aftercare period	Landscape Architect Ecologist	2019 to 2024

5	To provide habitat for breeding and foraging birds.	Birds	To create woodland, scrub and mosaic habitats suitable for foraging and nesting	1. Creation of woodland, scrub and grassland mosaic	Ongoing progress detailed in annual report with survey of established habitats at the end of the 5-year aftercare period	Landscape Architect	Ongoing to 2024
6	Communications and publicity	Maintain educational and local interest group visits whilst quarry still working	All local schools regard and use site as educational resource.	1. Develop ideas for a nature trail/viewing area for visits following restoration.	No of colleges, universities, schools and students visiting site	Site Manager	Annually until 2018