Geo Dales Project

Geodiversity in the Yorkshire Dales and Nidderdale

January 2012 – July 2013



 Geodiversity is the natural range of geological (rocks, minerals, fossils), geomorphological (landforms, landscape-shaping processes) and soil features ... and built (stone) heritage and historical geological literature

- Geodiversity is conserved principally for scientific, educational and cultural reasons. UK sites are of international significance
 - Source: Joint Nature Conservation Committee



Geodiversity in the Dales

- Features of national geodiversity importance are well-represented in the area
- Dales karst scenery among the best in UK
- Sandstones have weathered to create famous tors like those at Brimham Rocks SSSI in Nidderdale
- Multitude of highly important locations in quarries and natural outcrops





Project aims

- New opportunities for discovering, learning, enjoying and valuing the scientific and cultural richness of sites
- Research and interpretation at trial sites
- Support conservation of sites through management by professionals and volunteers
- Support long term interest and involvement in landscape and geodiversity



Trial site 1 - Ribblesdale



Victoria Cave, Langcliffe





Victoria Cave – Research history and exhibition

- Lower Winskill Visitor Centre
- Victorian and 20th Century excavations
- The Folly Museum, Settle 4500 visitors in 2012-13
- Exhibitions and displays of Romano British artefacts, Palaeolithic, glacial and pre-glacial mega fauna

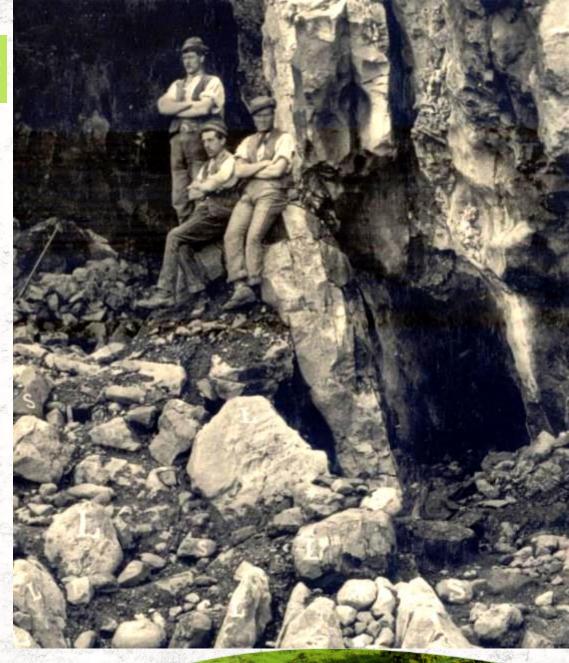


Cave deposits record 600 000 years of climate change

LOWER WINSKILL

- Romano British ritual remains
- First settlers in the Dales
- Brown bear den in last glacial phase
 C. 17 – 100, 000 BP
- Hyena den C. 125, 000 BP
 remains of hippo, rhino and extinct elephant species





Settle and Stainforth Geo Trails

- Short walks with leaflet guide of routes, key sites, maps, images
- Interpretation without information panels?
 - 1. Post and swing signs
 - 2. Geo Trail The Settle App

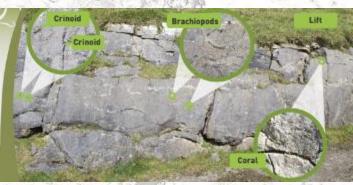
GeoTrail Winskill Stones

This cliff or scar is made of limestone formed some 330 million years ago in the Carboniferous Period. Look for the fossil remains of animals that lived in a shallow, warm tropical sea.

to chiopods are marine orients with two thick shells hisped together with small lumps on the surface where the creature's ones were wateched. These gives anotherage in the soft mud on the sea Next. All you can see here now are mostly single with as the force of water careford large the two shells apart.

valis have various shapes, but the one here is fan-shaped. These were ance colonies of small online is living in tubes, tering load from the sumainting water.

Crinolds are this white pipes that loas like plant serve but in fact wave animals like a modern sea writen. The fossilised pipes are the arms or start of these creatures. Crinolds are way aborded in limitations in the Three Packs area.





Plantlifa

Introduction





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Default view



Home view



Vibrant Settle Community Partnership



The Walks





Map options view



Map view



POI view



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POI slide out details view



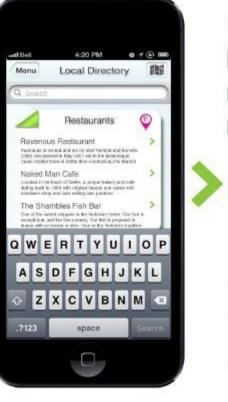
Vibrant Settle Community Partnership



Local Directory







Local Directory Search view



Business detail view



Restaurant map view



Vibrant Settle Community Partnership

Local archaeology survey and conservation



GeoDales

North Craven Heritage Research Group

Site survey at the Plantlife Winskill Stones Nature Reserve





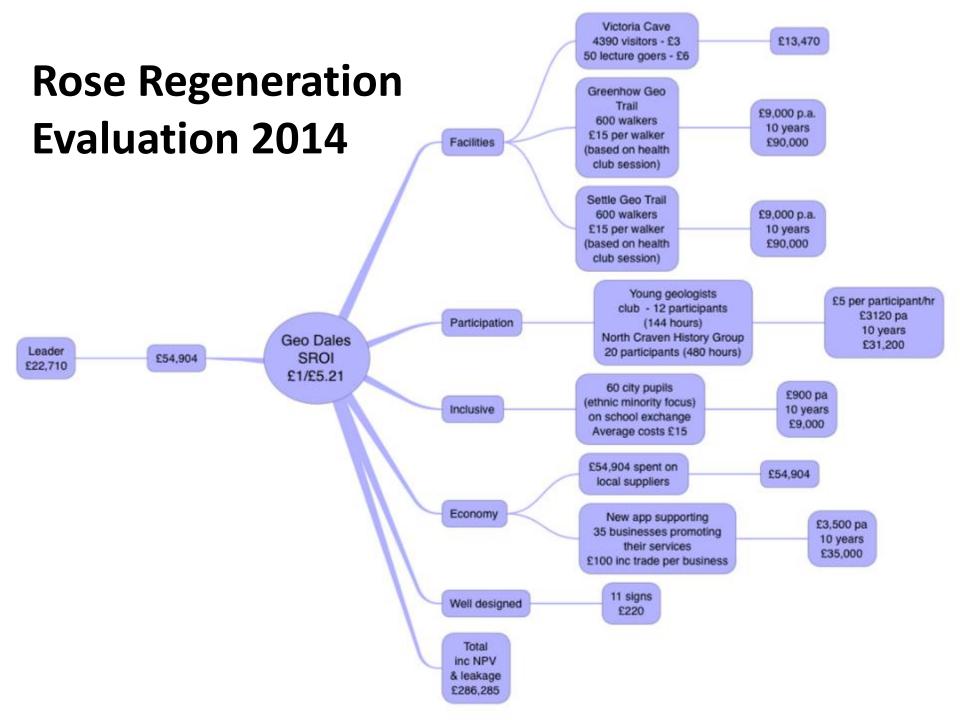
Trial Site 2 - Greenhow

- Rich lead mining landscape
- Existing, dedicated Greenhow Local History Group
- Strong support of Hanson Aggregates at Greenhow Quarry
- Create Greenhow Trail
- Support Young Geologist Club









2014 and beyond

- Heritage Lottery Fund, Landscape Partnership scheme in Upper Nidderdale led by AONB
- Research for activity and new interpretation to fit the strategic branding of this major scheme
- Ribblesdale and 3 Peaks YDMT developing a LPS. The Ingleborough Dales - Stories in Stone



A programme of landscape and community projects, developing a strong partnership in the Ingleborough Dales area. Aims to:

- Celebrate the connection between people and place
- Conserve important features of the landscape
- Enable wider learning and involvement
- Develop distinctive heritage skills



Funders and partners

Supported in partnership by:



The European Agricultural Fund for Regional Development: Europe Investing in Rural Areas





YORKSHIRE DALES National Park Authority Sustainable Development Fund

Administered by YORKSHIRE DALES MILLENNIUM TRUST Patron HRH The Prince of Wales







OWER



WINSKILL





