

CITATION

LOCHARBRIGGS QUARRY
SITE OF SPECIAL SCIENTIFIC INTEREST
Dumfries and Galloway

Site code: 1074

NATIONAL GRID REFERENCE: NX 990810

OS 1:50,000 SHEET NO: Landranger Series 78
1:25,000 SHEET NO: Explorer Series 321

AREA: 4.08 hectares

NOTIFIED NATURAL FEATURES

Geological: Stratigraphy: Permian Triassic (red beds)

DESCRIPTION

Locharbriggs Quarry is located 4km north of Dumfries. The quarry is notified for its fossilised wind blown sand dunes of Permian Triassic age.

The quarry shows a twenty metre thick succession in the Lower Permian Locharbriggs Sandstone Formation which consists of well-sorted, fine-medium grained, aeolian dune sandstones. Dune-bedding within the sandstones forms wedge-planar sets which dip consistently to the south-west indicating north-easterly palaeowinds. A number of surfaces (hierarchical bonding surfaces) can be identified, between the individual dunes, which indicate the migration of predominantly transverse dunes over larger scale bed forms (draa). A key site in a classic area for the study of Permian aeolian dunes.

NOTIFICATION HISTORY

First notified under the Wildlife and Countryside Act 1981: 20 December 1988.
Notification reviewed under the Nature Conservation (Scotland) Act 2004:
21 July 2009.

REMARKS

Measured area of site corrected (from 4.1 ha).