

CLARE - COUNTY GEOLOGICAL SITE REPORT

NAME OF SITE

Bridges of Ross

Other names used for site

TOWNLAND(S)

Ross

NEAREST TOWN

Kilbaha

SIX INCH MAP NUMBER

64

NATIONAL GRID REFERENCE

073300 150600 = Q733 506

1:50,000 O.S. SHEET NUMBER

63

1/2 inch Sheet No.

Outline Site Description

Coastal cliffs section.

Geological System/Age and Primary Rock Type

Upper Carboniferous (Namurian) sandstone, siltstone and shale. Rock arches and blowholes

Main Geological or Geomorphological Interest

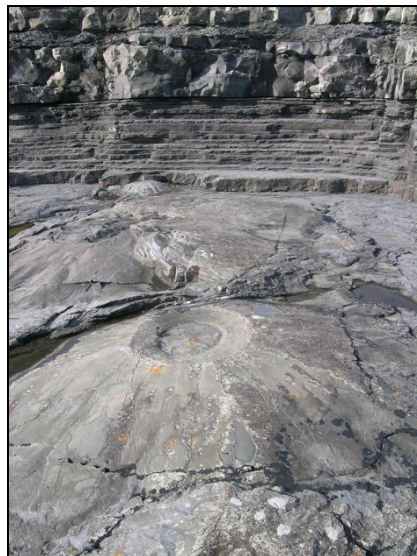
The Ross sandstone Formation consists of [turbiditic](#) sheet sandstone, siltstone and thinly bedded black shales. Slumping is common at many horizons throughout the formation, the most spectacular of which, the Ross Slide occurs at the Bridges of Ross. Slumping is the term used to describe a type of sediment slide where the material moves downslope as a single unit resulting in highly deformed structures within the sediment. The Ross Slide consists of several metres of siltstone and overlying sandstone displaying a range of deformational features including recumbent folds (folds with horizontal hinge lines). Sand volcanoes are present on the upper surface of the overlying sandstone unit. These impressive features formed by the extrusion of fine-grained sediment suspended in water as the sediments were compacted. Also of interest at this site are fold structures which formed during the Variscan Orogeny and a sea bridge which has developed as a result of erosion by the sea.

Site Importance

This site is of National Importance and may be proposed as an NHA under the IGH 9 Upper Carboniferous and Permian theme of the IGH programme.

Management/promotion issues

Sand volcanoes require protection. Public access seems to exist, but signs or panels to explain what can be seen would be worthwhile.



This is a detailed black and white map of a section of the Mississippi River. The river flows from the top left towards the bottom right. A large, irregularly shaped island in the center is outlined with a thick black border and labeled 'Natural Area' and 'Cane River'. The river is labeled 'Mississippi River' and 'Cane River'. The map includes a scale bar from 0 to 50 miles, a north arrow, and a legend for 'Natural Area' and 'Cane River'. The map also shows a 'Railroad' and a 'Bridge'.

MOYARTA Bİ

Dublin, 1922.

the base of Poolbeg Lighthouse.
to surface levels.

Scales. Six Inches to One Statute Mile, or 880 Feet to One Inch.

0 10 20 30 40 50 60
0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000
0 500 1000
1 Furlong

*the base of Poolbeg Lighthouse.
to surface levels.*