

MONAGHAN - COUNTY GEOLOGICAL SITE REPORT

NAME OF SITE	Donaghmoyne Rising		
Other names used for site			
IGH THEME	IGH1 Karst		
TOWNLAND(S)	Donaghmoyne		
NEAREST TOWN/VILLAGE	Carrickmacross		
SIX INCH MAP NUMBER	28		
ITM CO-ORDINATES	685321E 807071N		
1:50,000 O.S. SHEET NUMBER	35	GSi BEDROCK 1:100,000 SHEET NO.	8/9

Outline Site Description

This site comprises a significant spring rising and an associated doline.

Geological System/Age and Primary Rock Type

The feature is a hydrogeological and karstic geology spring that is post-glacial in age, but which flows through Lower Carboniferous limestone of the Mullaghfin Formation, which outcrops around and to the northeast of Carrickmacross.

Main Geological or Geomorphological Interest

Water from Moylan Lough, which is a turlough with no surface outflow, sinks in the western side of the turlough and rises again at a substantial spring on the Mannan Castle Golf Club course at Donaghmoyne. The spring has been considerably modified by golf course construction and has been tapped to supply a waterwheel feature and as a source of water for the club to water greens, etc. It emerges from a brick arch structure. Adjacent to the spring, and on a direct line toward Moylan Lough, is a large dry doline, which may be related to the underground flow of water.

Site Importance – County Geological Site

The site is of County Geological Site importance, as a complement to the Moylan Lough site and as part of a suite of karstic features within the limestone terrain surrounding Carrickmacross.

Management/promotion issues

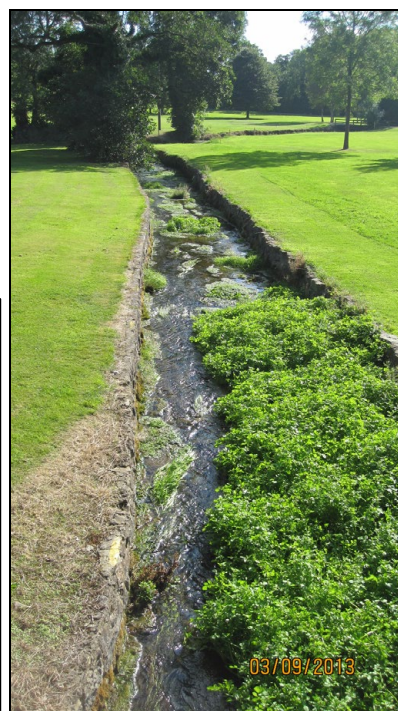
Aside from wider issues of protecting groundwater quality, the site is managed by the Mannan Castle Golf Club, but promoting it would not be advisable without active partnership of the Golf Club.



The doline north of Donaghmoyne Rising is dry and has been integrated into the golfcourse.



The waterwheel and pond south of the rising which were formerly reconstructed as a working feature on the golf course, powered by the rising flow.



Left: Donaghmoyne Rising emerges from a brick tunnel at the archway beside the tree .
Right: Looking downstream over the channelized rising, across the golf course.

