

CAVAN - COUNTY GEOLOGICAL SITE REPORT

NAME OF SITE	Tullydermot Falls		
Other names used for site			
IGH THEME	IGH14 Fluvial and lacustrine geomorphology		
TOWNLAND(S)	Tullydermot, Altbrean		
NEAREST TOWN/VILLAGE	Swanlinbar		
SIX INCH MAP NUMBER	7		
ITM CO-ORDINATES	614935E 824797N		
1:50,000 O.S. SHEET NUMBER	26	GS1 BEDROCK 1:100,000 SHEET NO.	7

Outline Site Description

This site comprises a waterfall on the Cladagh or Swanlinbar River, as well as the access footpath from the roadside car park, with an explanatory signboard.

Geological System/Age and Primary Rock Type

The waterfall occurs at a thick bed of sandstone in the Lower Carboniferous Glenade Sandstone Formation.

Main Geological or Geomorphological Interest

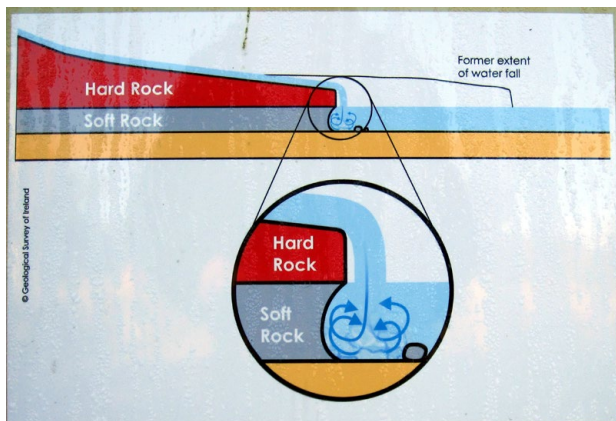
The waterfall is a small but well developed example of a waterfall occurring at a thick sandstone bed. The turbulence caused in the plunge pool where the water passes over the bed, has had the action of eroding out the underlying shale bed, which is much less resistant to erosion. As the shale is eroded out the thick sandstone becomes unsupported and eventually collapses. This causes the waterfall to recede upstream, and the process continues again.

Site Importance – County Geological Site

This site is a good example of the geomorphological process of waterfall development and recession.

Management/promotion issues

The landowner has allowed permissive access and the public can walk right up to the side of the waterfall on a hard path from the car park at the road side. There is a Geopark signboard providing an explanation of the waterfall development.



Explanation of waterfall development.



Tullydermot Falls.



The waterfall before a 2004 collapse of the undercut sandstone bed



Left: The Geopark signboard at Tullydermot Falls.



Right: The landowner conducting some path maintenance.

