

# FINGAL - COUNTY GEOLOGICAL SITE REPORT

<b>NAME OF SITE</b>	<b>Milverton Quarry</b>
Other names used for site	
<b>IGH THEME:</b>	IGH 8 (Lower Carboniferous)
<b>TOWNLAND(S)</b>	Milverton
<b>NEAREST TOWN</b>	Skerries
<b>SIX INCH MAP NUMBER</b>	5
<b>NATIONAL GRID REFERENCE</b>	324671 259032 = O 246 590
<b>1:50,000 O.S. SHEET NUMBER</b>	43 <b>1/2 inch Sheet No.</b> 13

## Outline Site Description

Working quarry.

## Geological System/Age and Primary Rock Type

Lower Carboniferous (Viséan) limestone and shale of the Holmpatrick Formation.

## Main Geological or Geomorphological Interest

This small Roadstone quarry just south of Skerries shows good exposures of predominantly thick bedded to massive Viséan shelf limestone with occasional shale beds. These rocks display sub vertical joints that should not be confused with the bedding, which dips shallowly to the north east. Karst weathering features known as pipes and caves were observed. These features are mostly clay infilled (orange-brown gravelly clay), with some up to 8m high, and are found within the massive limestone in the upper levels of this quarry. The limestone was used in the building of the Rockabill Lighthouse.

## Site Importance

This is a good example of exposed Lower Carboniferous rocks of the Holmpatrick Formation, which otherwise can only be partially viewed along the Fingal coastline, just south of Skerries. The presence of karst weathering features along some of the quarry walls may make this site a good teaching locality and it is therefore recommended as a County Geological Site.

## Management/promotion issues

Although this is a small, relatively quiet working quarry it is still a potentially hazardous environment and would not be suitable for general promotion without appropriate access arrangements being made with Roadstone. There are potential opportunities here to create safe viewing places associated with the retail display area for quarry products.



Left: This vertical feature, called a pipe, is the product of karst weathering. The pipe seen here is partially infilled with orange-brown clay. These features can only be seen along this particular section of the quarry.  
Right: A view from the south west corner of Milverton Quarry.

# Milverton Quarry

