

# FINGAL - COUNTY GEOLOGICAL SITE REPORT

<b>NAME OF SITE</b>	<b>Huntstown Quarry</b>
Other names used for site	
<b>IGH THEME:</b>	IGH 8 (Lower Carboniferous)
<b>TOWNLAND(S)</b>	Huntstown
<b>NEAREST TOWN</b>	
<b>SIX INCH MAP NUMBER</b>	13 & 14
<b>NATIONAL GRID REFERENCE</b>	310750 241600 = O 107 416
<b>1:50,000 O.S. SHEET NUMBER</b>	50 <b>1/2 inch Sheet No.</b>

## **Outline Site Description**

A working quarry (Roadstone Wood Ltd).

## **Geological System/Age and Primary Rock Type**

Lower Carboniferous (Waulsortian) limestone with shale and micrite at the base of the Tober Colleen Formation.

## **Main Geological or Geomorphological Interest**

Quarry exposing the base of the Tober Colleen Formation where it directly overlies Waulsortian. The contact in Huntstown Quarry is conformable although there is considerable discordance of the Tober Colleen shale and micrite beds immediately above the Waulsortian, due to differential competencies at the time of Variscan folding.

## **Site Importance**

This is one of the few sites currently known where the base of the Tober Colleen is seen overlying Waulsortian. It is only otherwise seen in some currently abandoned parts of Feltrim Quarry (NE part where the Tober Colleen lies in hollows in the Waulsortian reef topography). This stratigraphy has also been logged in core from Borehole AD-5.

## **Management/promotion issues**

This is a large working quarry and is therefore a hazardous environment. This site is not suitable for general promotion without appropriate arrangements being made with Roadstone. The relevant sections are exposed along both sides of the access road between the plant offices (North Quarry) and the Central (formerly South) Quarry, which is now used as a re-cycling facility. A barrier or 'berm' of waste concrete protects passing quarry vehicles from the eastern scarp of interest, and thereby obscures a complete view of the section. However, it also serves to 'protect' the section on this side from inadvertent damage by quarry traffic. The 'backfilling' requirement in the restoration plan will not come into effect until the end of quarry life and no disturbance of the sections is envisaged in the mid-term future. The area of geological interest has been noted in re-mapping of the quarry area in an EIS preparation (SLR Consulting Ltd., June 2011).



Waulsortian – Tober Colleen contact east side of central quarry access road, Huntstown Quarry, Dublin. (Photo: J.Kelly)



Waulsortian – Tober Colleen contact west side of central quarry access road, Huntstown Quarry, Dublin. (Photo: J.Kelly)

