



## South Wales RIGS Group Site Record RIGS Description

**SECTION A**

General	South Wales
<b>Site Name:</b> Craig Derlwyn Quarry	<b>File Number:</b> Site_AB_16
<b>RIGS Number:</b> 676	<b>Surveyed by:</b> Rhian Kendall
<b>Grid Reference:</b> SN 7200 1600	<b>Date of Visit:</b> 4 <sup>th</sup> Sept 2011
<b>RIGS Category:</b> Scientific, Educational	<b>Date Registered:</b>  <b>Owner:</b> Unknown <b>Planning Authority:</b> Carmarthenshire County Council
<b>Earth Science Category:</b> Stratigraphic	
<b>Site Nature:</b> Disused Quarry	<b>Documentation prepared by:</b> Rhian Kendall
<b>Unitary Authority:</b> Carmarthenshire County Council	<b>Documentation last revised:</b> 5th March 2012
<b>OS 1:50,000 Sheet:</b> 160	<b>Photographic Record:</b> Attached
<b>OS 1:25,000 Explorer Sheet:</b> OL12	
<b>BGS 1:50,000 Sheet:</b> E230	
<p><b>RIGS Statement of Interest:</b>            Craig Derlwyn Quarry on the Northern edge of Craig Derlwyn exposes a sequence through the Bishopstone Mudstone Formation of the Marros Group. This formation was previously known as the "Shale Group" of the Millstone Grit in this area.</p> <p>This quarry is useful for the study of the Bishopstone mudstone Formation and delta plain and pro delta marine sediments.</p> <p>The site is also useful as an educational resource as the site is very close to the road, has good parking and is a relatively safe resource for teaching about Carboniferous stratigraphy and geology in general.</p>	

**Geological setting/context:**

The quarry on the Northern edge of Craig Derlwyn exposes a sequence through the Bishopstone Mudstone Formation of the Marros Group. This formation was previously known as the “Shale Group” of the Millstone Grit in this area.

Although this quarry is useful for the study of this formation, it is also very accessible for educational groups with a large parking area and relatively safe faces to examine.

The British Geological Survey 1:10,000 geological map for this area (SN 71 NW) describes 1.2m of Slightly silty mudstone with worm traces and ironstone nodules, overlain by 1.2m feet of silty mudstone, which is in turn overlain by 1.8m of fine grained sub-greywacke.

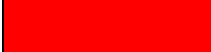





The Bishopstone Mudstone Formation is typically medium to dark grey mudstones with beds of medium grey siltstones and beds of interbedded siltstone and mudstone. There are occasionally thin beds of pale grey quartzitic sandstones and coals. The formation is also fossiliferous. The rocks of this formation are thought to be deposited on a delta plain and in pro delta marine environments.

**References:**

STRAHAN, A, CANTRILL, T C, THOMAS, H H. 1907. The Geology of the South Wales Coalfield Part VII. The country around Ammanford. Sheet 230.

WATERS, C N, WATERS, R A, BARCLAY, W J, and DAVIES, J R. 2009. A lithostratigraphical framework for the Carboniferous successions of southern Great Britain (Onshore). British Geological Survey Research Report, RR/09/01.

## SECTION B

<b>PRACTICAL CONSIDERATIONS:</b> Please score Accessibility and Safety Red Amber or Green			
<b>Accessibility:</b>			X 
Comment: Very accessible with parking at the quarry on the side of the road			
<b>Safety:</b>			X 
Comment: Loose scree slopes			
<b>Conservation status:</b> There are no known conservation designations of this RIGS			

<b>OWNERSHIP/PLANNING CONTROL:</b> <b>Owner/tenant:</b> Unknown  <b>Planning Authority:</b> Carmarthenshire County Council <b>Planning status/constraints/opportunities:</b> There are no known planning constraints or opportunities
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<b>CONDITION, USE &amp; MANAGEMENT:</b> <b>Present use:</b> None – Disused Quarry <b>Site condition:</b> Fairly good. Scree and vegetation covering some of the faces.  <b>Potential threats:</b> Site will eventually become filled in with vegetation and scree reducing the access to the faces. <b>Site Management:</b> Periodic vegetation clearance would help access to the faces.
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<b>SITE DEVELOPMENT:</b> <b>Potential use (general):</b> Educational <b>Potential use (educational):</b> This site is especially useful for teaching as it has good access and a large area for parking.
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<b>Other comments:</b>
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## Photographic Record



General View of quarry, facing east



One of the faces in the quarry



One of the faces in the quarry