

**Site Name: Llyn Craig y Pistyll Ravine**      **Grid Ref: SN 71698556**

**RIGS Category:** Educational & Scientific

**Earth Science Category:** Structural Geology & Ordovician (Ashgill) Stratigraphy

**1:50,000 Geological:** BGS Sheet 163, Aberystwyth

**RIGS Statement of Interest:**

The site comprises a short stream section that descends to the main valley below the dam, and a c. 200 m long E-W crag section which is adjacent to, and on the south side of, a former leat. In the stream are well-exposed representatives of the Mottled Mudstone Member at the top of the Ordovician succession; mottling due to burrowing and graptolite fossils are well-displayed in the mudstone-sandstone sequences. The main features of interest, however, are the spectacular fault breccia zones. These E-W belts, up to a few metres in width, are composed of smashed rock held together by quartz with minor pyrite. The importance of this locality is emphasised by its being recorded in the Aberystwyth memoir of the British Geological Survey (Cave & Haines, 1986, p.64 and Figure 29).

This RIGS is close to the Llyn Craig y Pistyll Quarry RIGS (RIGS 324), an important stratigraphic geology site. Together these RIGS provide an excellent educational resource that includes structural geology, graptolite palaeontology and marine sedimentology; they are only about 1 km from the Llawrcwmbach mine RIGS (RIGS 48, File CWC Min 8).

**Surveyed by:** W.R. Fitches