

**Site Name: New Quay Coastal Section & Frondolau Old Quarry**

**Grid Ref: SN 38386038 - SN38796033**

**RIGS Category:** Educational & Scientific

**Earth Science Category:** Silurian (Llandovery) Stratigraphy and Structural Geology

**1:50,000 Geological:** BGS Sheet 194, New Quay

**RIGS Statement of Interest:**

This site is of regional importance for several reasons. As a lithostratigraphic RIGS, it provides high quality examples of sedimentary rocks and processes near the source of a major submarine fan deposited from density currents. It illustrates in particular the near-source, proximal part of the fan that spread northeastward for more than 50 km from south of New Quay to beyond Aberystwyth in the north, and is the southerly component of an important geological traverse that can be made along the Cardigan Bay coast. As a structural site, it contains spectacular folds and faults, as well as unusually clear examples of sediment slurry intruded as sills and dykes into the sediments while they were still soft.

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