

**CYNGOR CEFN GWLAD CYMRU
COUNTRYSIDE COUNCIL FOR WALES**

SITE OF SPECIAL SCIENTIFIC INTEREST: CITATION

VALE OF GLAMORGAN

EWENNY AND PANT QUARRIES

Date of Notification: 1998

National Grid Reference: SS 895760 and SS 902768

O.S. Maps: 1:50,000 Sheet number: 170
1:10,000 Sheet number: SS 87NE & SS 975E

Site Area: 29.1 ha

Description:

These two quarries are located in the vicinity of Old Castle Down, approximately 4 km to the south of the centre of Bridgend and 3 km from the coast at Southerndown. They are of special interest for their fossils which are vital to the study of the evolution of mammals.

The quarries show vertebrate-bearing late Triassic - early Jurassic fillings in fissures in the Carboniferous Limestone. This is where most of the fossils used in the study of the earliest mammals have been found. *Morganucodon watsoni*, *Kuehneotherium praecursoris* and *Kuhneon duchyense* have been described from the fissures. The first is the earliest and most primitive prototherian, and the second the most primitive therian mammal known.

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