

County: Humberside **Site Name:** Rifle Butts Quarry

Status: Site of Special Scientific Interest (SSSI) notified under Section 28 of the Wildlife and Countryside Act, 1981, as amended.

Local Planning Authority: East Yorkshire Borough Council

National Grid Reference: SE 898426 **Area:** 0.3 (ha) 0.7 (ac)

Ordnance Survey Sheet 1:50,000: 106 **1:10,000:** SE 84 SE

First Notified: 1952 * **Date of Revision:** 1987

Other Information:

1. The site is identified as being of national importance in the Geological Conservation Review.
2. Rifle Butts Quarry is managed as a geological reserve by the Yorkshire Wildlife Trust.
3. During the 1987 revision the boundary of this site has been amended to exclude some land previously notified*.

*Under Section 23 of the National Parks and Access to the Countryside Act, 1949.

Description:

A renowned geological site, Rifle Butts Quarry shows a section of Red Chalk and White Chalk overlying Lias. Sedimentation here during the Jurassic and Cretaceous was affected by a 'positive' feature, the Market Weighton Axis, an axis of uplift separating two basins to the north and south and causing marked attenuation in the vicinity of Market Weighton. The quarry provides the only available exposure of this attenuated Lower Cretaceous sequence which developed locally due to movement along the axis. The section is therefore of fundamental significance for palaeo-geographic reconstructions of the Cretaceous of North East England.