

County: Devon **Site Name:** Burrator Quarries

District: West Devon

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

Local Planning Authority: Devon County Council, Dartmoor National Park

National Grid Reference: SX 549677 **Area:** 0.5 (ha) 1.2 (ac)

Ordnance Survey Sheet 1:50,000: 201, 202 **1:10,000:** SX 56 NW, NE

Date Notified (Under 1949 Act): 1976 **Date of Last Revision:** 1976

Date Notified (Under 1981 Act): 1986 **Date of Last Revision:** –

Other Information:

In Dartmoor National Park and County Structure Plan Nature Conservation Zone.

Description and Reasons for Notification:

This site features rare exposures of the contact between the Permo-Carboniferous Dartmoor granite and Devonian country rocks of the Kate Brook Formation. The contact is highly irregular, though sharp, and shows evidence of mobilisation of the metasediments and segregation of felsic and mafic constituents. Along the contact the country rocks have been thermally metamorphosed to form cordierite-andalusite hornfelses with extensive tourmalinisation. The site has been the subject of classic and pioneering studies investigating compositional exchanges between granite magma and country rocks, and is of historical importance in understanding the genesis of granitic rocks.