
Site no.: B33

Site name: Gairnshiel Bridge

Grid reference: [NJ 29339 01033]

Locality: Glen Gairn

GCR Status: Proposed

GCR No.: 3100

Type: Natural exposures

Description: Localised, vein-hosted W-Sn-Mo-Bi-Ag mineralisation occurs within zinnwaldite-bearing granite that crops out over ~1 km² at Gairnshiel, near the centre of the Caledonian Glen Gairn Granite Pluton. The minerals wolframite, cassiterite and scheelite are well exposed in quartz veins and silicified wallrocks. A later mineral assemblage filling cavities in the veins and dissolution zones in the granite comprises either molybdenite or sphalerite, with pyrite, chalcopyrite, and cassiterite, rare stannite and silver-bearing cosalite. The GCR volume 'Mineralogy of Scotland' (Smith and Livingstone, in prep) contains a full description of the site.

Justification: The site contains a rich assemblage of metalliferous minerals, including relatively rare ones. Two types of mineralisation occur, neither of which is known to be developed to the same degree in association with Caledonian magmatism elsewhere in the UK.

[References](#)