

Site Name: Llangynog Mine Grid Reference: SJ 053 255

RIGS Category: Educational & Scientific

Earth Science Category: Mineralogy

Geology 1:50,000: BGS Sheet 136 Bala

RIGS Statement of Interest:

Llangynog mine is of regional geological importance as one of a number of potential study sites for the base-metals vein mineralisation of the Llangynog Orefield. Dumps along the course of the vein, which are situated above an old "felsite" quarry, contain an abundance of material featuring both primary and secondary mineralisation. Primary mineralisation is dominated by lead, zinc, copper and iron sulphides with a gangue consisting of quartz and ferroan dolomite. The primary material exhibits a strikingly similar paragenetic structure to that of the Central Wales Orefield. The Llangynog Orefield, however, remains woefully understudied in terms of its primary mineral paragenesis. There is also common secondary mineralisation present, some of which was originally formed in situ and some of which has formed within the dumps by post-mining oxidation processes.

Surveyed by: J.S. Mason