

Explanatory Notes

The map shows the solid Lewisian geology of the South Harris anorthosite and adjacent rocks. Tertiary dykes and drift are omitted. Geological boundaries are generally of unknown type, with the exception of the late granite pegmatites and part of the SW margin of the metadiorite, which retain intrusive contacts.

The foliation domains on the inset map are defined by metamorphic grade and their relationship to each other and to minor pyroxenite vein-sytems (not-shown) that intrude the margin of the meta-anorthosite. S1 and S2 foliations predate the end of high-P granulite facies metamorphism and, the minor pyroxenite vein systems. Most of the foliation in the meta-anothosite is

S1 in various states of transposition in to S2. S1, where least disturbed is steeply NW dipping; S2 is NW-SE striking and near veritical. S3 is a NW-SE striking, generally steep amphibolite facies foliation associated with regional SW-side-up dextral shearing. The sigma-geometry deflection of S1 in the NW part of the body is attributed to this. S3 is locally associated with a steep lineation, deforms the pyroxenite net-veins and, is associated with near-total retrogression to amphibolite facies. S4 is a NW-SE striking, steep amphibolite facies foliation developed mainly in the metasedimentary gneisses of the Leverburgh Belt; it has an associated subhorizontal lineation and commonly S-C fabrics/shear bands.

Map grid corresponds to UK Ordnance Survey national grid.