

CITATION

GARABAL HILL
SITE OF SPECIAL SCIENTIFIC INTEREST
Argyll and Bute

Site code: 668

PLANNING AUTHORITY: Loch Lomond and The Trossachs National Park Authority
Argyll and Bute

NATIONAL GRID REFERENCE: NN 295172

OS 1:50,000 SHEET NO: Landranger Series 56
1:25,000 SHEET NO: Explorer Series 364

AREA: 908.84 hectares

NOTIFIED NATURAL FEATURES

Geological: Igneous Petrology: Caledonian Igneous

DESCRIPTION

Garabal Hill is located approximately 9 km to the south west of Crianlarich near the northern end of Loch Lomond. It contains exposures of parts of a large body of igneous rock, called the Garabal Hill - Glen Fyne Igneous Complex or Pluton.

Plutonic rock, the term for coarse-grained igneous rock which has formed in a large body at depth in the Earth is distinctive for its wide range of component rock-types, which span the igneous compositional spectrum from ultrabasic to acidic rocks.

The Garabal Hill section of this Complex is of the highest importance because of the variety of igneous rocks outcropping in a fairly small area. It is world famous as the subject of classic pioneering geochemical studies on the possible role of fractional crystallisation in reconciling widely diverse rock-types into a single petrogenetic model. This well-exposed site includes all the principal variants of the intrusive complex and is of international importance for research purposes.

NOTIFICATION HISTORY

First notified under the 1949 Act: 1974

Re-notified under the 1981 Act: 30 December 1986 with a significant reduction in area

Notification reviewed under the 2004 Act: 29 January 2010

REMARKS

Measured area of site corrected (from 914.8 ha)