Outline Site Description
Hill exposures.

Geological System/Age and Primary Rock Type
Late Ordovician (Caradoc) volcanics, graptolitic shales and cherts.

Main Geological or Geomorphological Interest
Caher Hill is the type locality for the Caher Hill Formation. Yellow, cream and pink-coloured amygdaloidal trachytes occur here. The yellow trachytes host enclaves up to 10cm in diameter of basic composition. The pink trachytes contain abundant orthoclase phenocrysts. The trachytes overlie a succession of black shales and cherts, basic lapilli tuffs and a sequence of basic tuffs, lavas and breccias. These rocks provide a record of sedimentation and volcanic eruptions within the contracting Iapetus Ocean. Graptolites found within the black shales have yielded a late Ordovician, Caradoc age for the rocks. The Caher Hill Formation is also exposed south and west of Lough Graney and near Lough Ea. Spillitic lavas occur at the latter locality.

Site Importance
The site is of County Geological Site importance and may be proposed for NHA designation under the IGH 4 Cambrian - Silurian theme of the GSI’s IGH Programme.

Management/promotion issues
On private land, and not especially well exposed, so of scientific interest more than suitable for general promotion.