

Location: AM MUIDHE

Conservation designations: Geological Conservation Review Site

Grid reference: NM 8587 8143

Address: 5km west of Glenfinnan on A830

Parking available: Yes, free. Layby at NM 8604 8143 Personnel to be contacted prior to visit: None

Rock types and geological processes observed: High grade metamorphic Moine rocks

Geological structures: Tightly folded psammites cut by wide dykes of pegmatite with large crystals of mica. Glaciated slabs with rôche moutonnée shape Earth processes: eg. Mountain building, folding, igneous intrusion, glacial erosion Geological periods present: Precambrian, folded twice in Caledonian orogeny

## Useful equipment:

- Camera
- High top waterproof boots (wellies) and waterproofs
- Walking pole
- Binoculars
- Drawing equipment

## Relevance national curriculum:

Earth Resources units of Environmental Science at Nat 3, 4,5 & higher National Curriculum Es and Os such as SCN 2-17a

## Site specific hazards and risks:

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- Traffic on A830
- Inclement weather (leading to hypothermia, sunburn etc.) and/or people being ill prepared for walk (leading to hypothermia, sprained ankles, lack of fitness for route etc.)
- Falling off slope to the west
- Tripping and slipping
- Ticks (Lymes disease)
- Allergic reactions from insect bites and stings

## Mitigation measures:

- Park in layby and stay off the road
- Check weather forecast & take extra weather protection. Hand out kit list in advance
- Take first aid kit and emergency communication.
  First aider present.
- Keep everyone together, warn of dangerous
- drop offs to the west and set boundaries.
- Issue tick warning and advice. Include tick remover in first aid kit.
- Take insect repellent

Did you know: Am Muidhe is Scottish Gaelic for 'the churn'. Imagine the many stages of folding that the rocks have undergone and you can see why it is called this. The folding was mainly caused by the collision of North America, then Laurentia, (where Am Muidhe was located) with a subduction zone.

Topics to cover before visit: Rock classification, depositional environments, metamorphic structures and glaciation.

Keywords: Moine, metamorphic, quartzite, pegmatite, psammite, pelite, mica, slabs, rôche moutonnée, faults, folding, dyke, glaciated slabs and striae.

