

Case Study:

Coire Glas, Invergarry, Scotland



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We were instructed by Fugro to work alongside their conventional drilling teams to undertake works in conjunction with their own internal crews on a hydroelectric power scheme in the north west of Scotland. Whilst the site was difficult to access overall, being located miles along a narrow access track, the near-surface ground conditions of former intensively-planted forestry meant that relict tree stumps and boulders posed significant hazards to conventional means of accessing the locations. We were instructed by the client to undertake boreholes to 4.0 m bgl using Odex casing advancement in order to progress quickly through any superficial glacial deposits into the Precambrian Psammite below. Once the depth was achieved, plastic casing was installed within the borehole in order to accept a small explosive charge for the purposes of further intrusive geophysical investigations.

ADS’ boom-mounted rig was chosen due to its rapid deployment and movement between positions over the harsh, unforgiving terrain. The often steeply sloping topography dictated that conventional rubber-tracked machines would not be able to safely traverse between positions without significant enabling works. By utilising ADS’ boom-mounted rig, the client was able to make significant savings of both time and money to avoid benching out positions and creating additional access routes. In addition, because the boreholes were located along transects at 25 metre spacings, the demobilisation and remobilisation between positions was far quicker using the boom rig than other methods at the clients disposal.

Capabilities At A Glance:

- Maximum Diameter Through Clamps: 150mm/6”
- Machine Compatibility: Designed for 8 tonne excavator, adaptor plate to suit 14 tonne or 25 tonne 360.

Method	Depth
Dynamic Sample	10 metres
Open Hole	40 metres
Geobor-S	30 metres
Conventional Coring	40 metres



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