

Mineworkings Investigation at Mostyn, North Wales.

Project Profile

Client: Birse Rail

Designer: WYG Engineering

Value: £100k



Site investigation drilling to investigate the presence and condition of coal workings under the Mostyn rail line in North Wales.

20 rotary and rotary cored boreholes up to 60m deep were carried out both on-track during night time possession and off-track in fenced green zone.

The geology of the area was complicated with dipping strata, multiple seams and significant faulting so to assist in creating a model of the mining impact the accuracy of drilling data was extremely important.

To assist in recovery of good data the drilling rigs were fitted with data-logging equipment supplied by Jean Lutz of France. The data-logger was linked in to the rigs hydraulic systems to record various drilling parameters including: drill feed rate, torque, drill feed pressure and flush pressure.

The recorded drilling parameters were also transmitted to WYG offices to enable 'real time' monitoring of the investigation and updating of the mine model.

