



Non-Commercial Use Licence

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3. **Purpose:** the Data is supplied on a non-exclusive basis, solely for the Licensee's use in connection with **a PhD which examines the Biston Glen and Dawdon-Horden areas to characterise the mines geometry and connectivity. Data will be used to develop numerical models of heat and mass transfers, in order to better understand the heat transfer mechanisms and the heat resource recovery rate in flooded coal mines. A statistical analysis of the distribution of mining voids will be made, together with an assessment of the important geometrical features for modelling mine systems, by combining GIS data, temperature profiles and temperature/water level time-series.** No part of the Data may be sub-licensed, traded, sold or in any other way supplied or made available to a third party.
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Undertaking

The undersigned undertakes to observe and comply with the conditions of this Licence.

Agreed on behalf of the Edinburgh University

Signed:



Name: Christopher McDermott

Date: 2/04/2020

As a registered student or employee of University Edinburgh

Signed:



Name: Mylene Receveur

Date: 30/03/2020

Agreed for and on behalf of the Coal Authority

Signed:



Name: PAUL BIRMINGHAM

Date: 24/04/2020

Annex 1

Definitions

In this Licence, the following words and phrases shall, unless the context otherwise requires, have the following meanings:

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Schedule 1

Details of Data supplied

Seam level

Seam level contours

Geological disturbances Faults + Fissures/Breaklines

Licensed roadways + Spine roadway

Underground workings

Shallow workings

Probable workings

Mine entries

Seam outcrops

Working dates

Water level contour NE England / Scotland

Minewater Blocks

Discharge points / Monitoring points

Coalfield Polygons

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