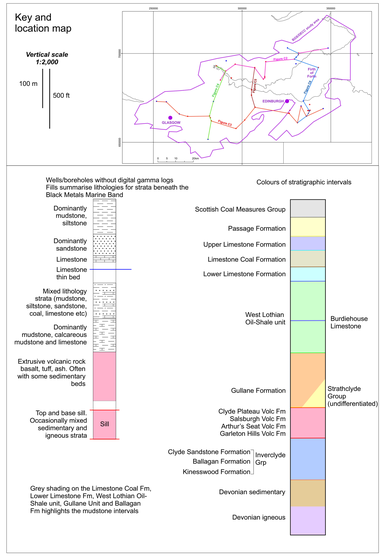
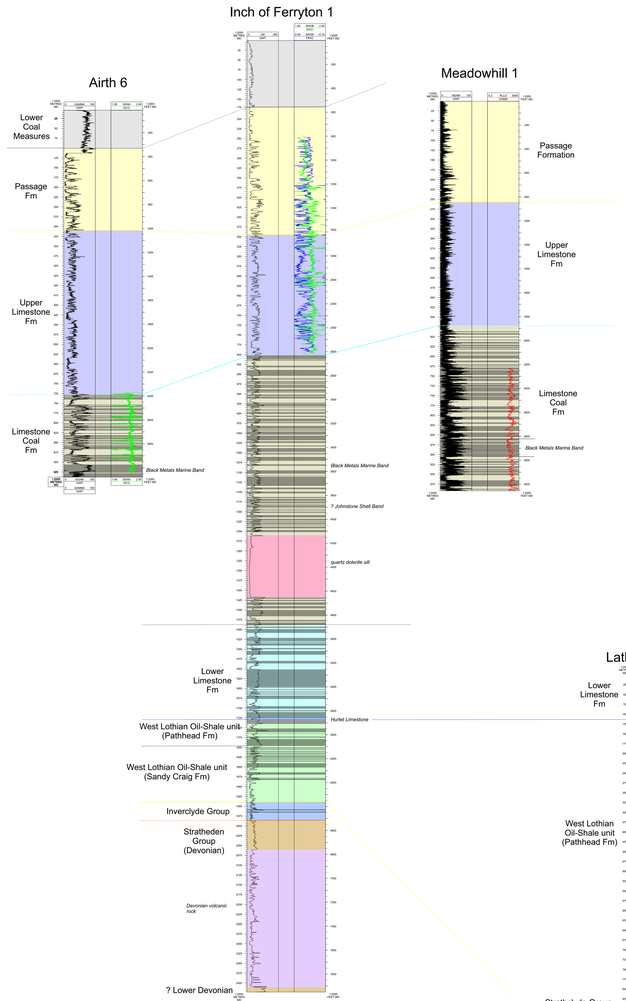
Supplement to:

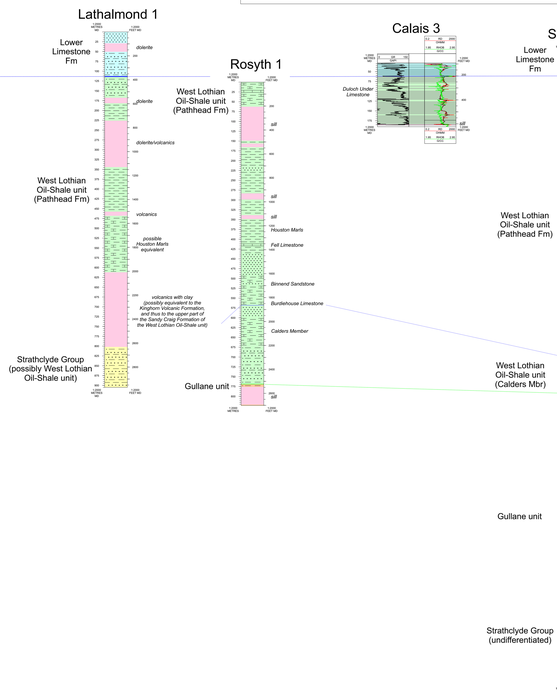
Monaghan, A.A. 2014. *The Carboniferous shales of the Midland Valley of Scotland: geology and resource estimation*. British Geological Survey for Department of Energy and Climate Change, London, UK.

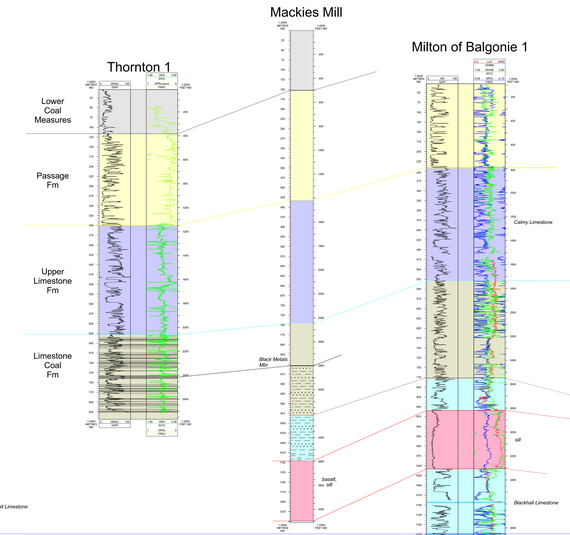
Appendix Figure C2. Detailed correlation of Carboniferous strata between selected key wells and boreholes in the Midland Valley of Scotland.

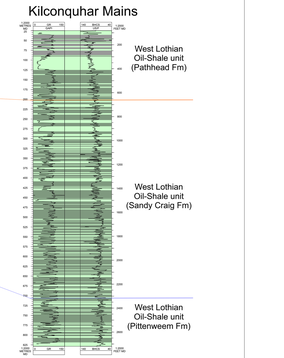
Disclaimer: density, neutron and resistivity data are plotted as available and may not be quality checked. The verification of log values is recommended prior to further analysis. BGS accept no responsibility for data errors.











Supplement to:

Monaghan, A.A. 2014. *The Carboniferous shales of the Midland Valley of Scotland: geology and resource estimation*. British Geological Survey for Department of Energy and Climate Change, London, UK.

Appendix Figure C3. Detailed correlation of Carboniferous strata between selected key wells in the Midland Valley of Scotland.

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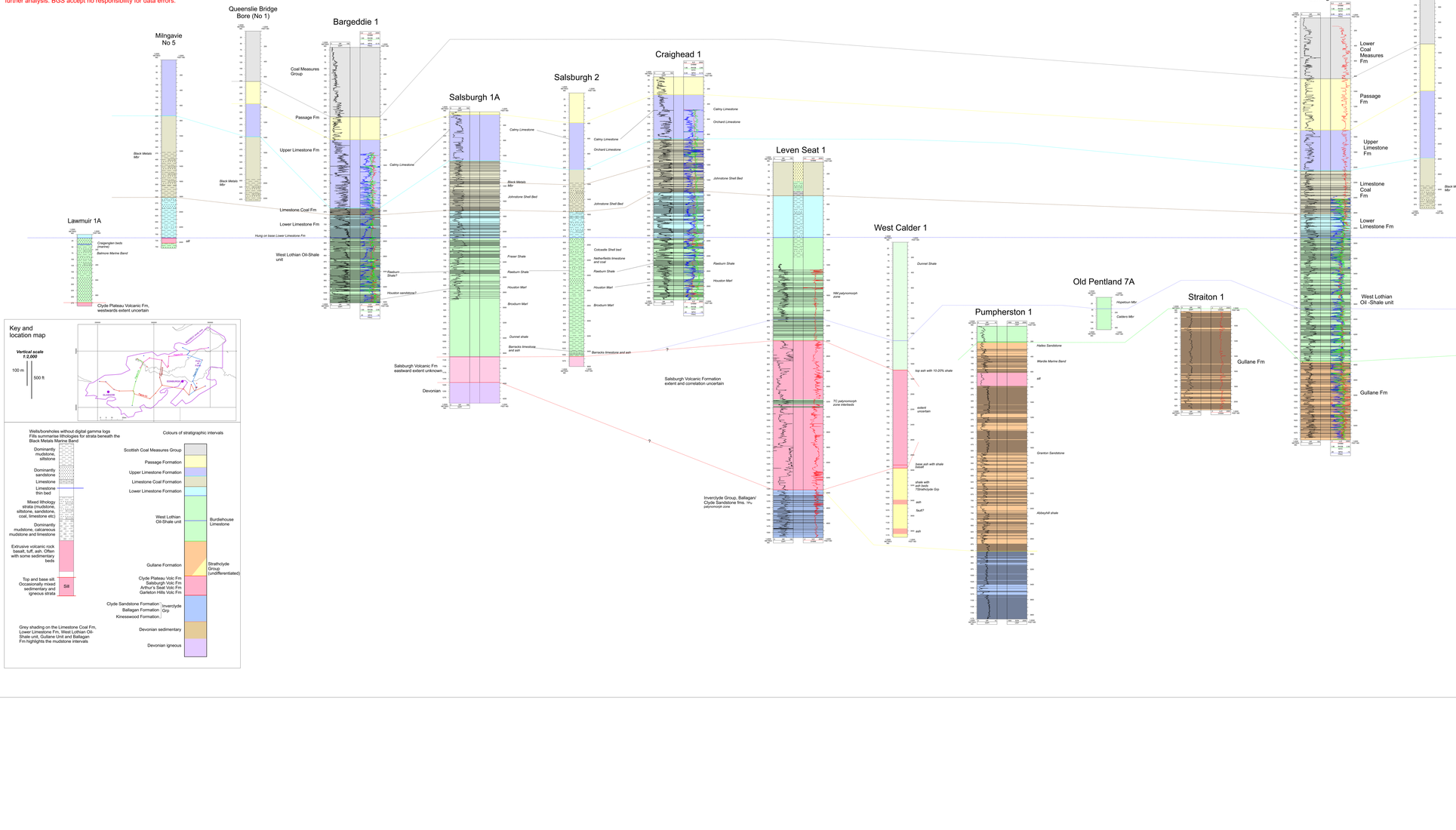


Supplement to:

Monaghan, A.A. 2014. *The Carboniferous shales of the Midland Valley of Scotland: geology and resource estimation*. British Geological Survey for Department of Energy and Climate Change, London, UK.

Appendix Figure C4. Detailed correlation of Carboniferous strata between selected key wells in the Midland Valley of Scotland.

Disclaimer: density, neutron and resistivity data are plotted as available and may not be quality checked. The verification of log values is recommended prior to further analysis. BGS accept no responsibility for data errors.

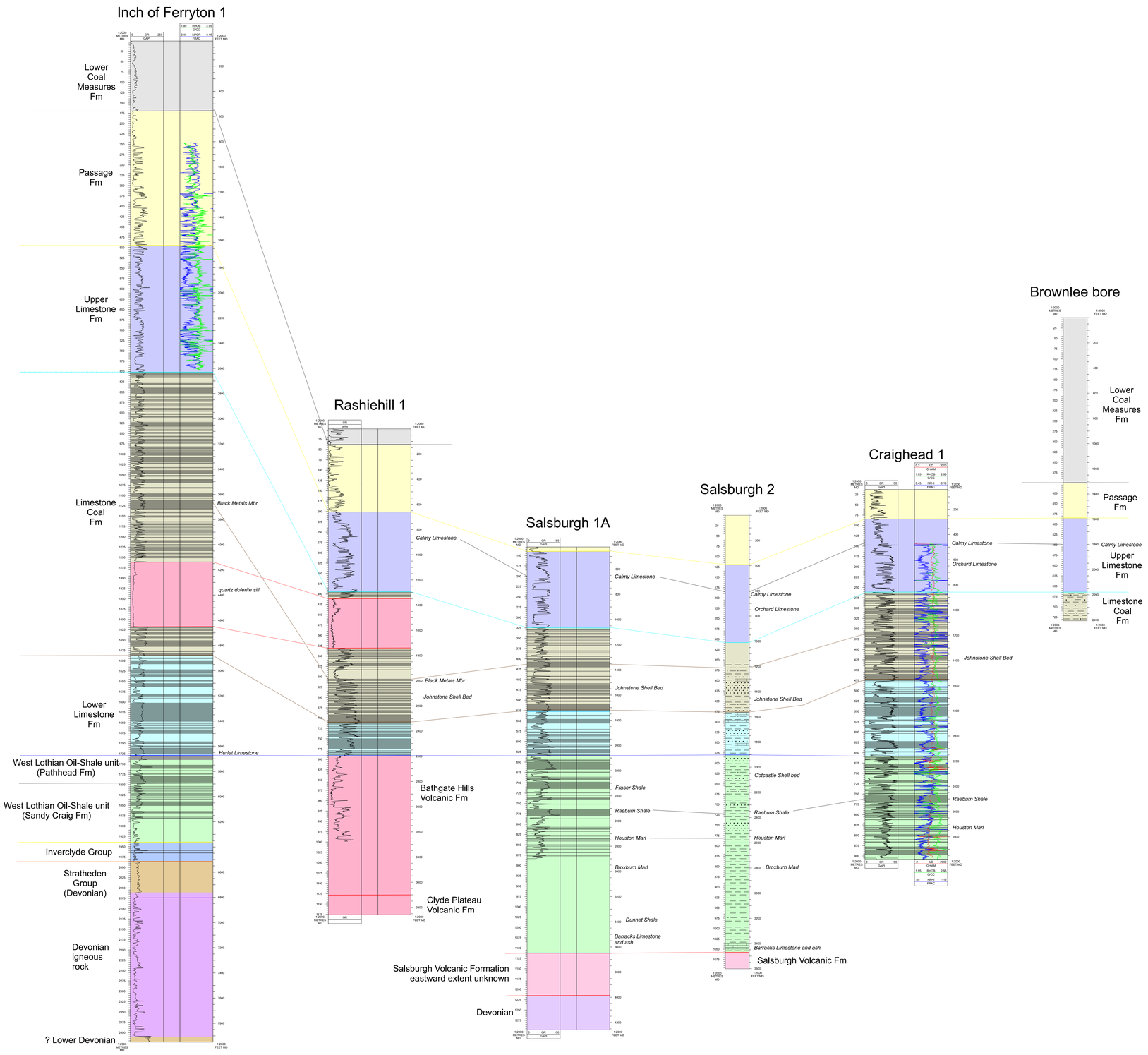
Wells/boreholes without digital gamma logs
Fills summarise lithologies for strata beneath the Black Metals Marine Band

- Dominantly mudstone, siltstone
- Dominantly sandstone
- Limestone
- Limestone thin bed
- Mixed lithology strata (mudstone, siltstone, sandstone, coal, limestone etc)
- Dominantly mudstone, calcareous mudstone and limestone
- Extrusive volcanic rock basalt, tuff, ash. Often with some sedimentary beds
- Top and base sill. Occasionally mixed sedimentary and igneous strata — Sill

Grey shading on the Limestone Coal Fm, Lower Limestone Fm, West Lothian Oil-Shale unit, Gullane Unit and Ballagan Fm highlights the mudstone intervals

Colours of stratigraphic intervals

- Scottish Coal Measures Group
- Passage Formation
- Upper Limestone Formation
- Limestone Coal Formation
- Lower Limestone Formation
- West Lothian Oil-Shale unit — Burdiehouse Limestone
- Gullane Formation — Strathclyde Group (undifferentiated)
- Clyde Plateau Volc Fm, Salsburgh Volc Fm, Arthur's Seat Volc Fm, Garleton Hills Volc Fm
- Clyde Sandstone Formation, Ballagan Formation, Kinesswood Formation — Inverclyde Grp
- Devonian sedimentary
- Devonian igneous



Disclaimer: density, neutron and resistivity data are plotted as available and may not be quality checked. The verification of log values is recommended prior to further analysis. BGS accept no responsibility for data errors.

Supplement to:

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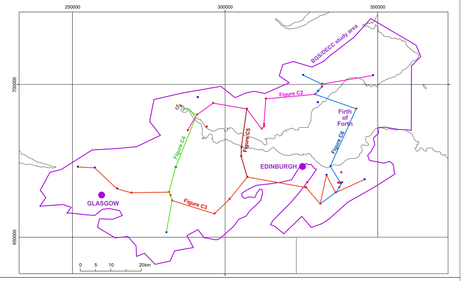
Appendix Figure C5. Detailed correlation of Carboniferous strata between selected key wells in the Midland Valley of Scotland.

Key and location map

Vertical scale 1:2,000

100 m — 500 ft



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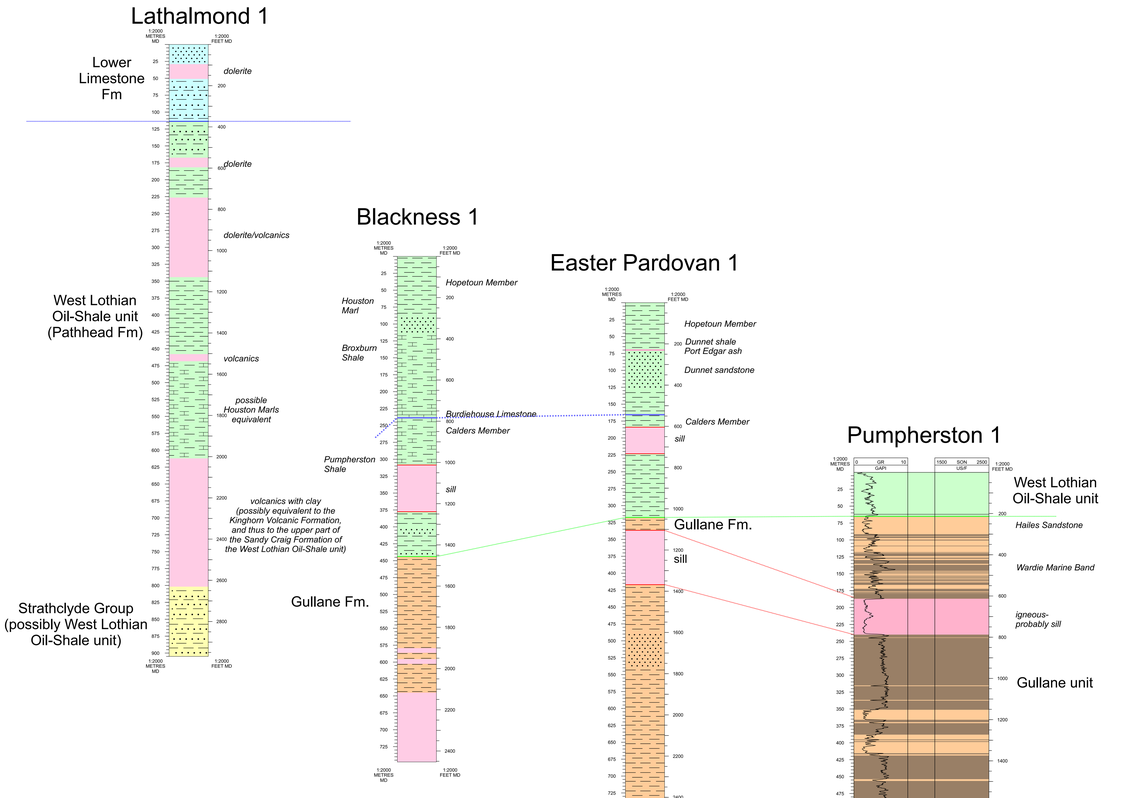
- Devonian sedimentary
- Devonian igneous

Grey shading on the Limestone Coal Fm, Lower Limestone Fm, West Lothian Oil-Shale unit, Gullane Unit and Ballagan Fm highlights the mudstone intervals



Supplement to:

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Appendix Figure C6. Detailed correlation of Carboniferous strata between selected key wells and boreholes in the Midland Valley of Scotland.

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