

Neilston Lava Member

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Neilston Lava Member **(NNLA)**, Dunlop-Eaglesham Block, Carboniferous, Midland Valley of Scotland

The Neilston Lava Member is part of the [Clyde Plateau Volcanic Formation](#).

Name

Previously named the Neilston lavas. See MacPherson and Phillips (1997)^[1]; Phillips and MacPherson (1996)^[2]; MacPherson et al. (2000)^[3].

Lithology

The Neilston Lava Member consists of alkali basalts with minor basanite in the lower part and trachybasalt in the upper.

Stratotype

The type area is the Dunlop–Eaglesham moors between Glasgow, Kilmarnock and Hamilton, in the western part of the area between Neilston (NS 4800 5700) and Stewarton (NS 4300 4800).

Lower and upper boundaries

The base is apparently conformable (though it may locally be unconformable) on the [Moyne Moor Lava Member](#), which consists predominantly of trachybasalt.

The member is overlain by the trachytic [Harelaw Lava Member](#). The contact is unconformable.

Thickness

More than 100 m.

Distribution and regional correlation

Dunlop–Eaglesham moors between Glasgow, Kilmarnock and Hamilton, in the western part of the area between Neilston (NS 4800 5700) and Stewarton (NS 4300 4800).

Age

Mid Visean (Arundian to Asbian).

References

- ↑ MacPherson, K A T, and Phillips, E R. 1997. The geology of the Clyde Plateau Volcanic Formation of the Kilmarnock district (Sheet 22E), central Scotland. *British Geological Survey Technical Report*, WA/97/88
- ↑ Phillips, E R, and Macpherson, K A T. 1996. Petrology, geochemistry and classification of the Clyde Plateau Volcanic Formation, Kilmarnock district (Sheet 22), Midland Valley, Scotland. *British Geological Survey Technical Report*, WG/96/24
- ↑ MacPherson, K A T, Smith, R A, and Akhurst, M C. 2000. Geology of the Kilmarnock district. *Sheet description of the British Geological Survey*, Sheet 22E (Scotland)

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