

Slackgun Volcaniclastic Member

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[Jump to navigation](#) [Jump to search](#)

Contents

- [1 Slackgun Volcaniclastic Member \(SLAV\), Fintry-Touch Block, Carboniferous, Midland Valley of Scotland](#)
 - [1.1 Name](#)
 - [1.2 Lithology](#)
 - [1.3 Stratotype](#)
 - [1.4 Lower and upper boundaries](#)
 - [1.5 Thickness](#)
 - [1.6 Distribution and regional correlation](#)
 - [1.7 Age](#)
- [2 References](#)

Slackgun Volcaniclastic Member (**SLAV**), Fintry-Touch Block, Carboniferous, Midland Valley of Scotland

Slackgun Volcaniclastic Member is part of the [Clyde Plateau Volcanic Formation](#).

Name

Previously named the Slackgun Interbasaltic Beds (see Francis et al., 1970^[1]).

Lithology

The Slackgun Volcaniclastic Member consists predominantly of bedded tuff and/or volcaniclastic sedimentary rock, with weathered basalt lava (including bole) and a local olivine-microphyric basalt lava.

Stratotype

The type area is in the northern, western and south-western Fintry Hills, and the north-western Gargunnoch Hills, north-east of Glasgow (NS 6224 8636 to 6878 9241) (Francis et al., 1970^[1]). A reference section is the corrie-like scar of Slackgun, immediately north-west of Lees Hill, northern Fintry Hills (NS 6576 9118 to NS 6577 9112) where Francis et al. (1970)^[1] recorded a partially obscured, 34 m thick, section up the scarp.

Lower and upper boundaries

The Slackgun Volcaniclastic Member unconformably overlies the [Skiddaw Lava Member](#). The lithological change is from transitional plagioclase-macrophyric to plagioclase-microphyric basalt lava or composite basalt lava to a dull red bole reflecting prolonged weathering of the underlying lavas.

The Slackgun Volcaniclastic Member is overlain, conformably or disconformably, by the [Spout of Ballochleam Lava Member](#). The lithological change is from tuff or volcaniclastic sedimentary rock to plagioclase-microphyric basalt lava ('Jedburgh' type).

Thickness

Between 0 and 80 m.

Distribution and regional correlation

The member is restricted to the northern Fintry-Touch Block (Francis et al., 1970)^[1] and specifically to the Fintry Hills and the north-western Gargunnock Hills, north-east of Glasgow. These rocks crop out from north-east of Spittalhill (NS 6521 8669) to the west-north-west to below Double Craigs (NS 631 875), north-north-west to below Stronend (NS 626 895), and east-north-east to Black Craig (NS 6878 9241).

Age

Mid Visean (Arundian to Asbian).

References

- ↑ ^[10 11 12 13] Francis, E H, Forsyth, I H, Read, W A, and Armstrong, M. 1970. The geology of the Stirling district. *Memoir of the Geological Survey of Great Britain*, Sheet 39 (Scotland)

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Category:

- [Carboniferous lithostratigraphical nomenclature](#)

Navigation menu

Personal tools

- Not logged in
- [Talk](#)
- [Contributions](#)
- [Log in](#)
- [Request account](#)

Namespaces

- [Page](#)
- [Discussion](#)

Variants

Views

- [Read](#)
- [Edit](#)
- [View history](#)
- [PDF Export](#)

More

Search

Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help about MediaWiki](#)

Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)
- [Cite this page](#)
- [Browse properties](#)

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- [Disclaimers](#)

