

Skiddaw Lava Member

From Earthwise

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

□

Contents

- [1 Skiddaw Lava Member \(SKDL\), 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](#)

Skiddaw Lava Member **(SKDL)**, Fintry-Touch Block, Carboniferous, Midland Valley of Scotland

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

Name

Previously named the Skiddaw Group (Francis et al., 1970)^[1].

Lithology

The Skiddaw Lava Member consists predominantly of plagioclase-macrophyric basalt ('Markle' type) and composite lavas with some plagioclase-microphyric basalt ('Jedburgh' type). In the east of the outcrop (NS 6572 9122) the member comprises coarse olivine basalt at the base, above which the sequence comprises: a plagioclase-macrophyric basalt lava, a composite lava composed of massive, rounded bodies mostly of plagioclase-macrophyric basalt, but also including near the centre of the lava some transitional plagioclase-microphyric to olivine-microphyric basalts, in a matrix of 'slaggy', highly vesicular microporphyrific basalt; and a massive, transitional plagioclase-microphyric to plagioclase-macrophyric basalt with traces of columnar jointing.

Stratotype

The type area is in the northern and western Fintry Hills, and the north-western Gargunnoch Hills, north-east of Glasgow (NS 6304 8712 to NS 6577 9122) (Francis et al., 1970)^[1]. A reference section is at Slackgun, north-western Gargunnoch Hills (NS 6572 9122) where a section 34 m thick (apparently the full thickness at this locality) was given by Francis et al. (1970)^[1].

Lower and upper boundaries

The basal basalt lava of the member unconformably overlies sedimentary rocks, including sandstone, siltstone and mudstone of the [Clyde Sandstone Formation](#), of the [Inverclyde Group](#).

The Skiddaw Lava Member is overlain unconformably by the [Slackgun Volcaniclastic 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 lavas.

Thickness

Between 0 and 37 m.

Distribution and regional correlation

The member is restricted to the northern Fintry-Touch Block (Francis et al., 1970)^[1] and specifically to the northern and western Fintry Hills and to the north-western Gargunnoch Hills, north-east of Glasgow. These rocks crop out from below Double Craigs (NS 6304 8712) north-north-west towards Skiddaw (NS 622 891) and then north-east, to the north-west side of Lees Hill (NS 6577 9122).

Age

Mid Visean (Arundian to Asbian).

References

- ↑ ^[1] 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)

Retrieved from 'http://earthwise.bgs.ac.uk/index.php?title=Skiddaw_Lava_Member&oldid=52663'

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](#)

• This page was last modified on 26 July 2021, at 14:53.

- [Privacy policy](#)
- [About Earthwise](#)
- [Disclaimers](#)

•



•

