



Oxford Cambridge and RSA

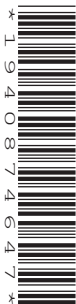
Thursday 19 June 2025 – Morning

A Level Geology

H414/03 Practical skills in geology

Insert

Time allowed: 1 hour 30 minutes



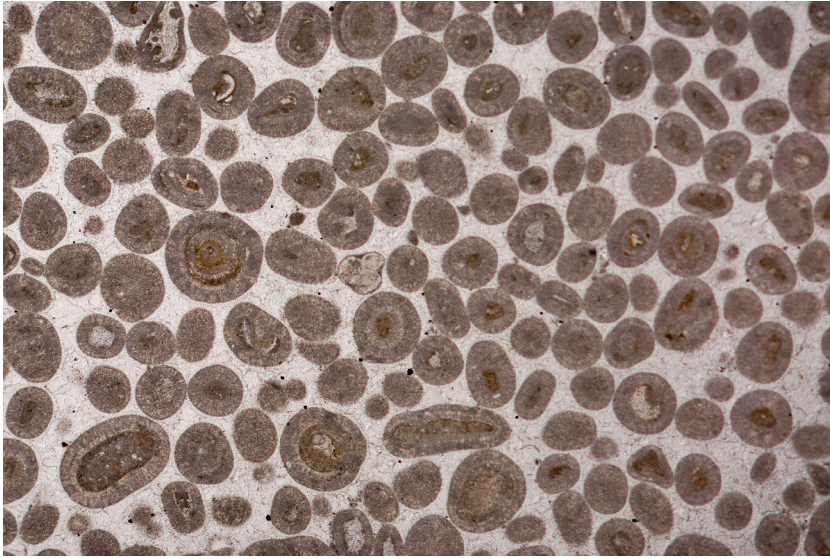
INSTRUCTIONS

- Do **not** send this Insert for marking. Keep it in the centre or recycle it.

INFORMATION

- This Insert contains **Fig. 1.1, Fig. 1.2, Fig. 1.3, Fig. 2.1, Fig. 4.1 and Fig. 4.2.**
- This document has **8 pages.**

Fig. 1.1



0 2 mm

Fig. 1.2



0 10 cm

Fig. 1.3

Rock A



0 5 cm

Rock B



0 5 cm

Fig. 2.1

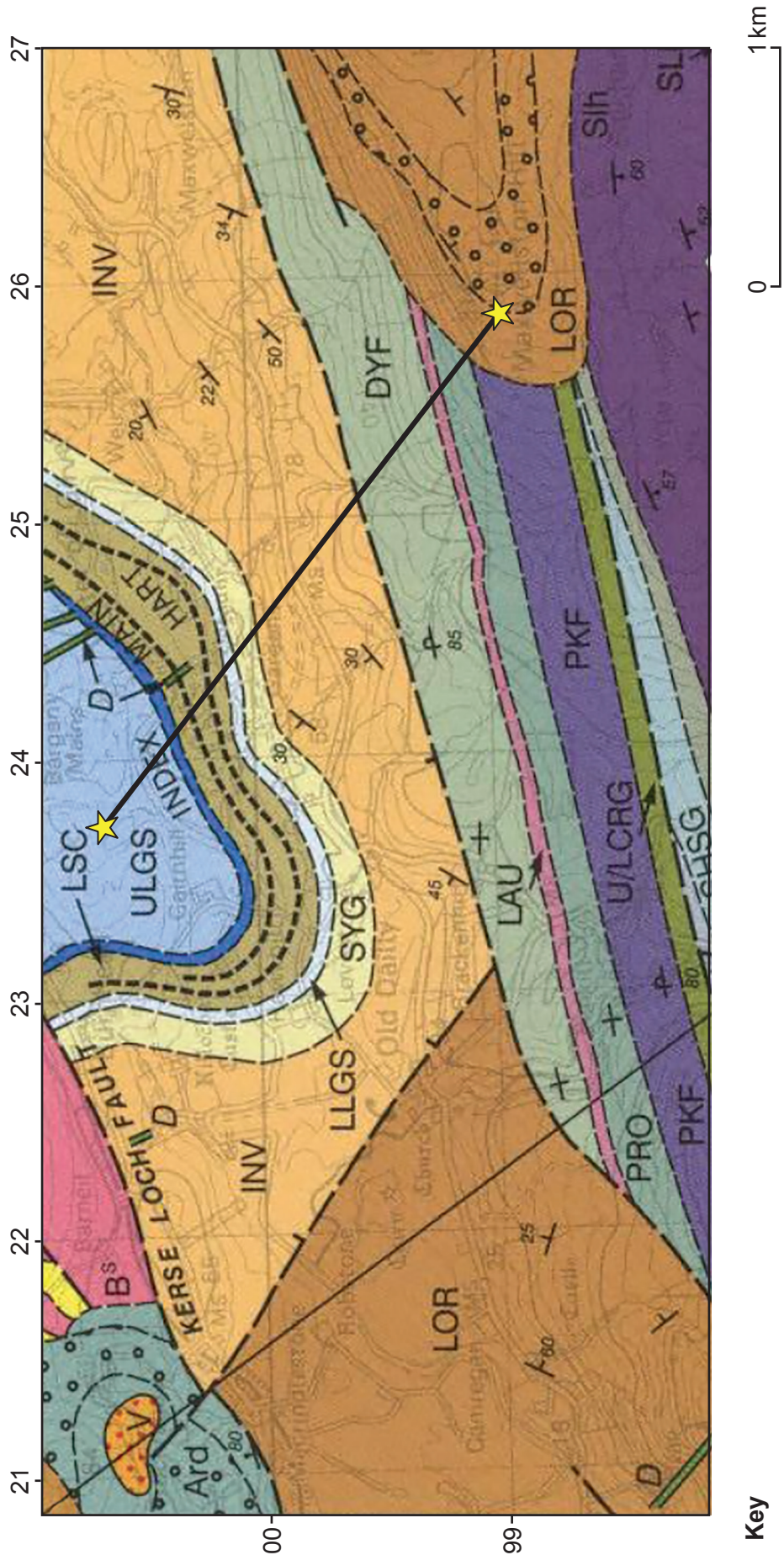


0 2m

Fig. 4.1

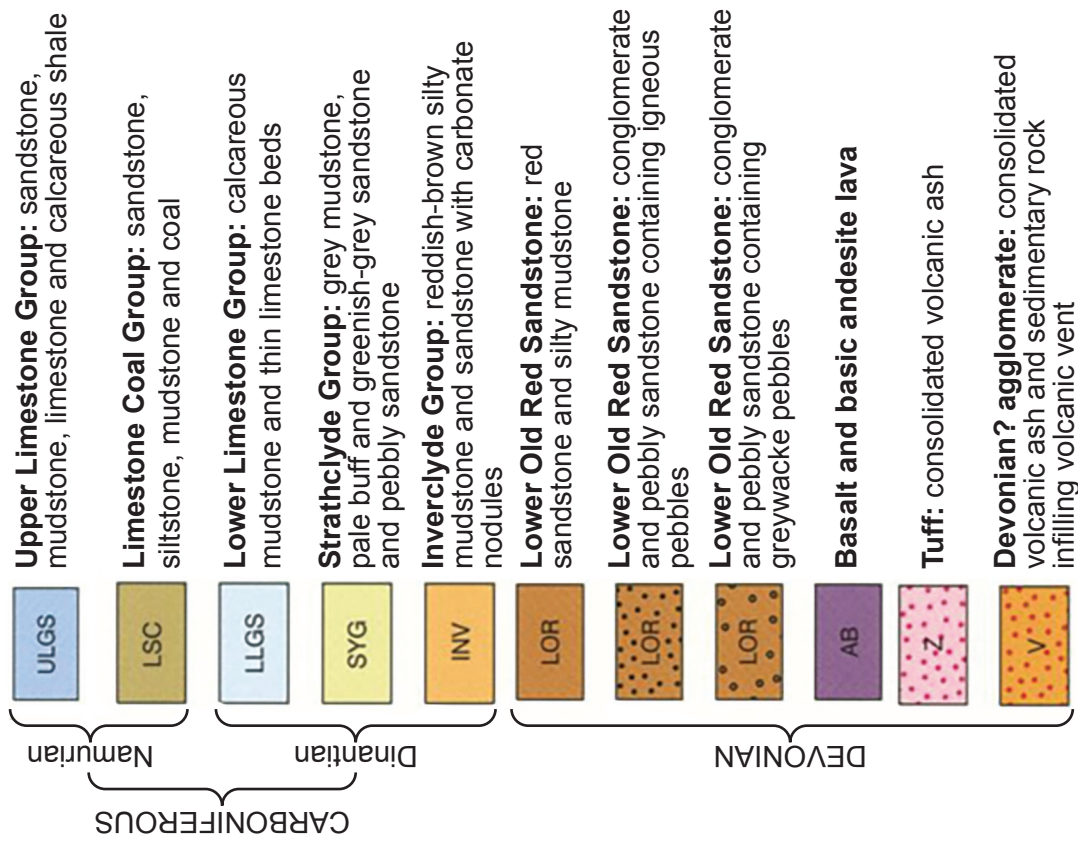


Fig. 4.2



KEY TO GEOLOGICAL SYMBOLS AND COLOURS

SEDIMENTARY ROCKS AND EXTRUSIVE / PYROCLASTIC IGNEOUS ROCKS



PENWHAPPLE NORTH GROUP



Drumyork Flags: grey-green sandstone, flaggy towards top

Lauchlan Formation: red-purple shale and thin sandstone

Protovirgularia Grits: grey-green gritty sandstone and shale

Penkill Formation: purple and green banded shale

Upper Camregan Grits: pale greenish-brown sandstone

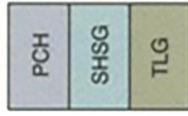
Maxwellston Mudstones: purple mudstone

Wood Burn Formation: hard, pale-coloured siltstone

Lower Camregan Grits: fine/medium-grained sandstone

not separately distinguished on map

PENWHAPPLE SOUTH GROUP



Pencleuch Shale: grey and black shale

Saugh Hill Grits: thick-bedded, greyish-green grit and thin shale

Tralorg Formation: grey-brown and black mudstone and thin grit beds

UPPER WHITEHOUSE GROUP



Shalloch Formation: thin grey sandstone, green shale and thin limestone

Mill Formation: mottled shale and calcareous flagstone

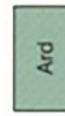
Myoch Formation: red and green silty mudstone

LOWER WHITEHOUSE GROUP



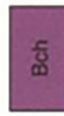
Penwhapple Formation: grey flaggy siltstone and mudstone

ARDWELL GROUP



Ardwell Group: grey flaggy sandstone, siltstone and conglomerate

BALCLATCHIE GROUP



Balclatchie Group: sandstone, mudstone and conglomerate

**Copyright Information**

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series. If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of Cambridge University Press & Assessment, which is itself a department of the University of Cambridge.