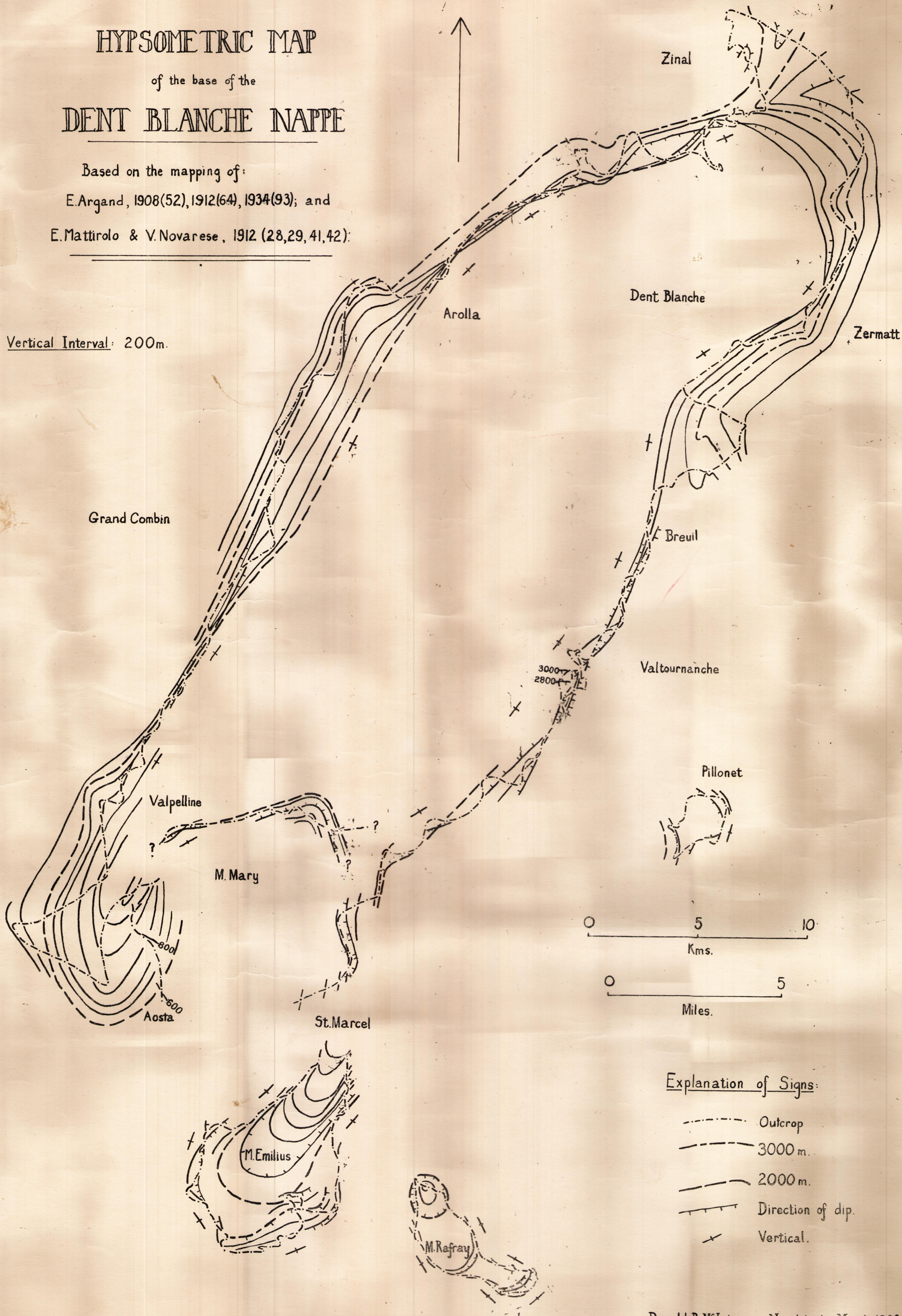


HYSOMETRIC MAP of the base of the DENT BLANCHE NAPPE

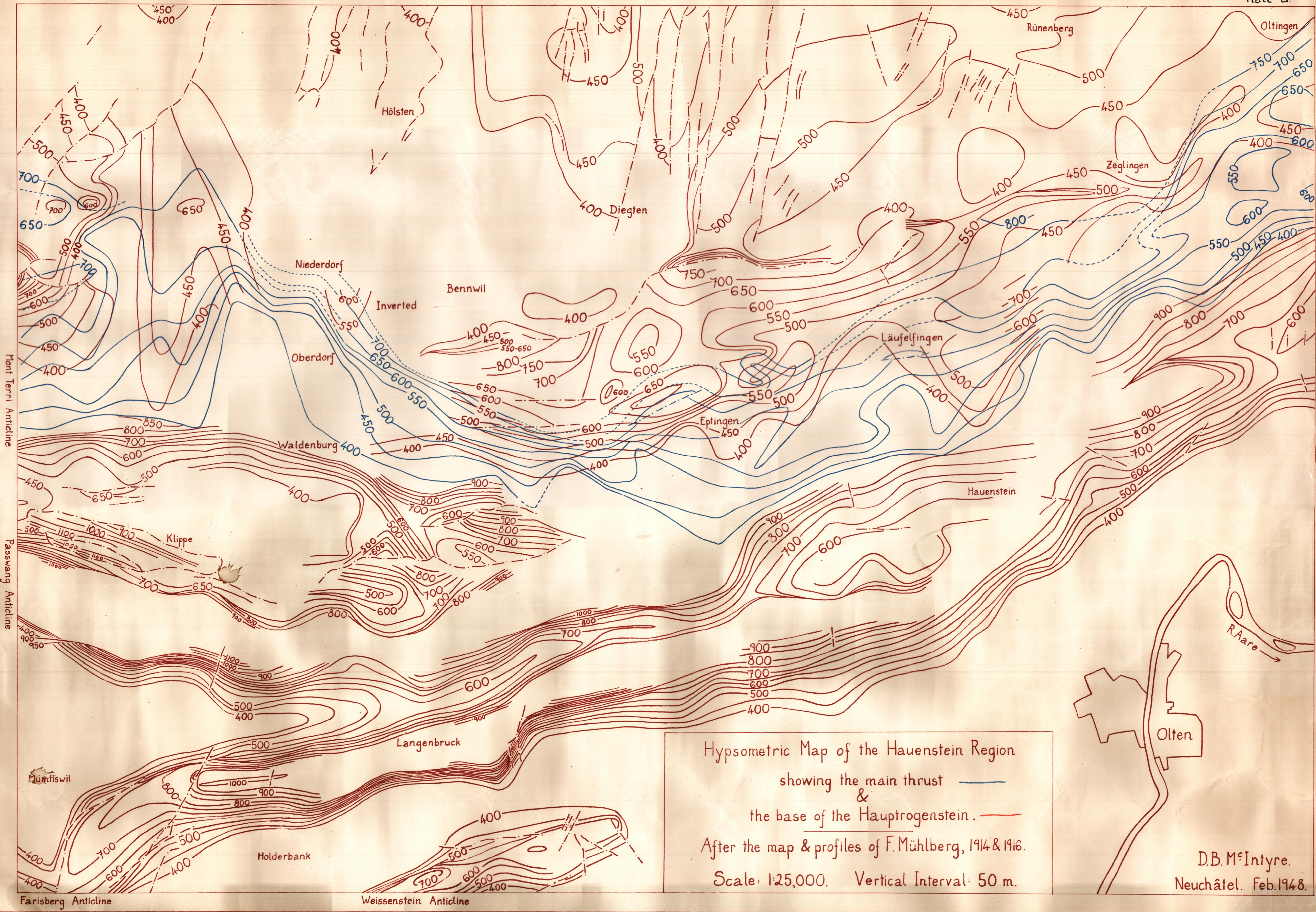
Based on the mapping of:
E.Argand, 1908(52), 1912(64), 1934(93); and
E.Mattiolo & V.Novarese, 1912 (28,29,41,42):

Vertical Interval: 200m.

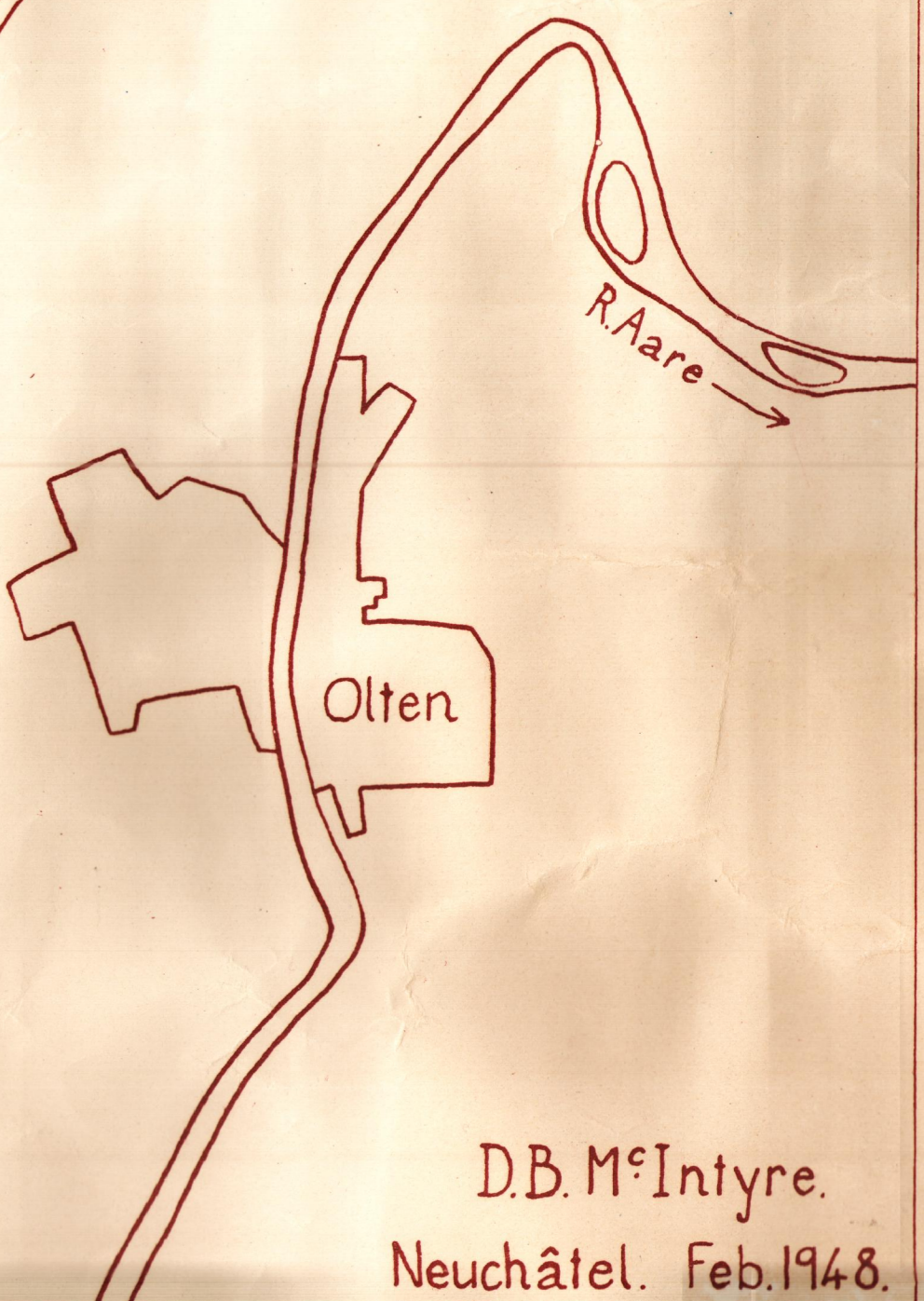


Explanation of Signs:

- Outcrop
- 3000 m.
- 2000 m.
- Direction of dip.
- Vertical.

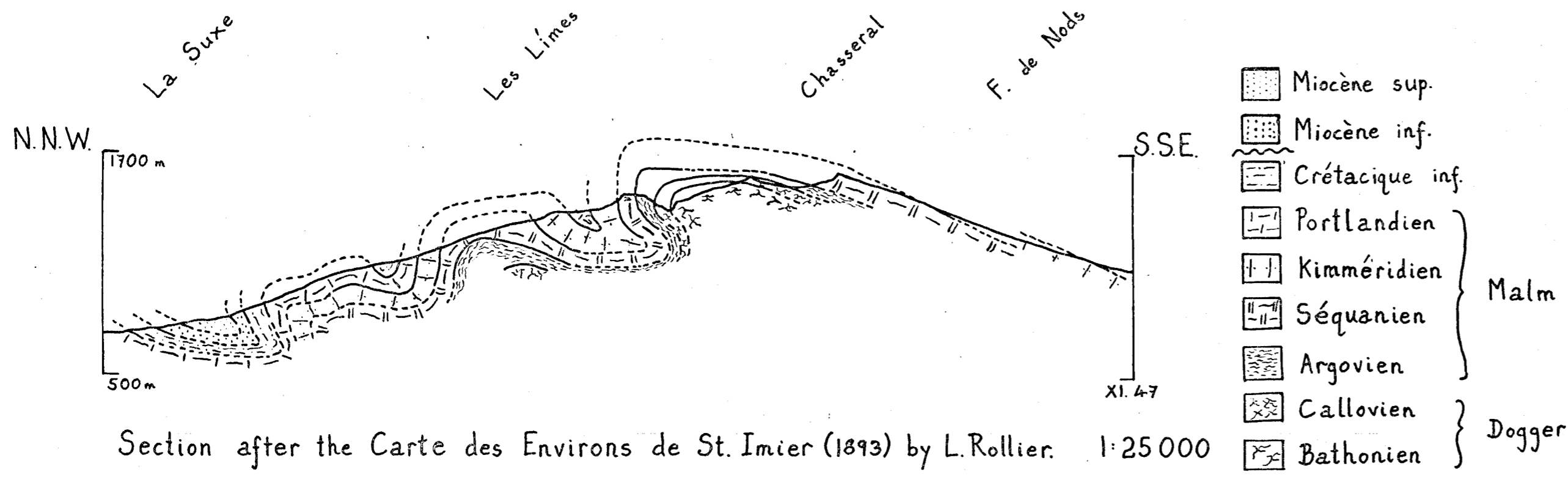


Hypsometric Map of the Hauenstein Region
 showing the main thrust ———
 &
 the base of the Hauptrogenstein. ———
 After the map & profiles of F. Mühlberg, 1914 & 1916.
 Scale: 1:25,000. Vertical Interval: 50 m.

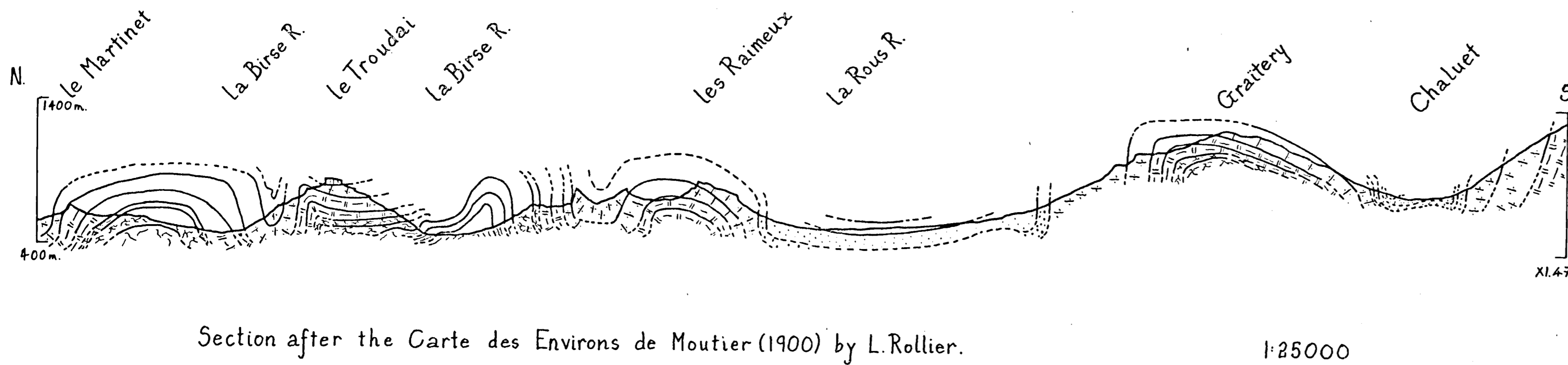


D.B. McIntyre.
 Neuchâtel. Feb. 1948.

Three Jurassic Sections.

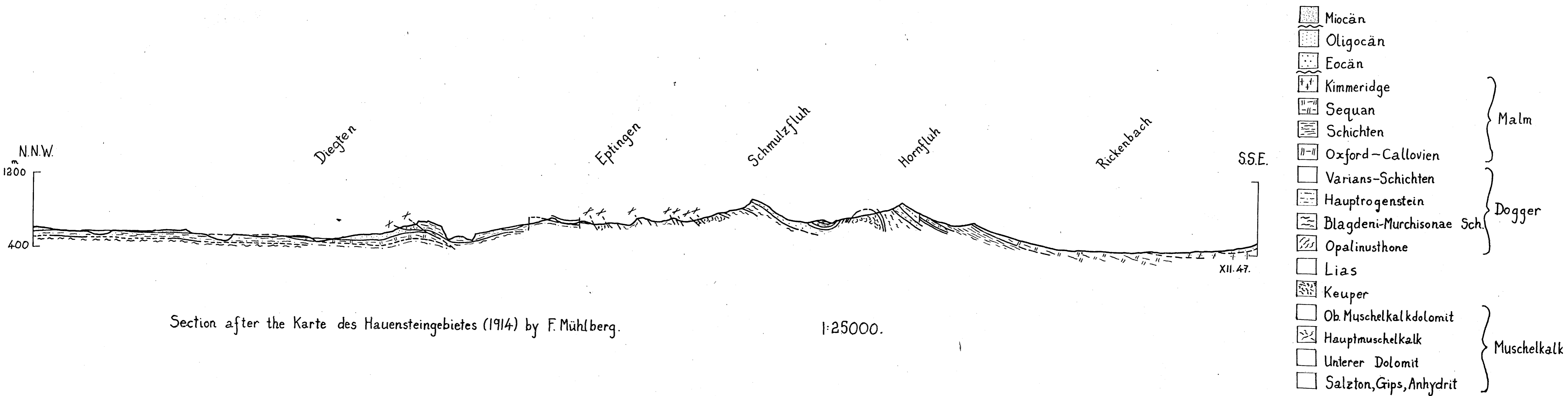


Section after the Carte des Environs de St. Imier (1893) by L. Rollier. 1:25 000



Section after the Carte des Environs de Moutier (1900) by L. Rollier.

1:25000



Section after the Karte des Hauensteingebietes (1914) by F. Mühlberg.

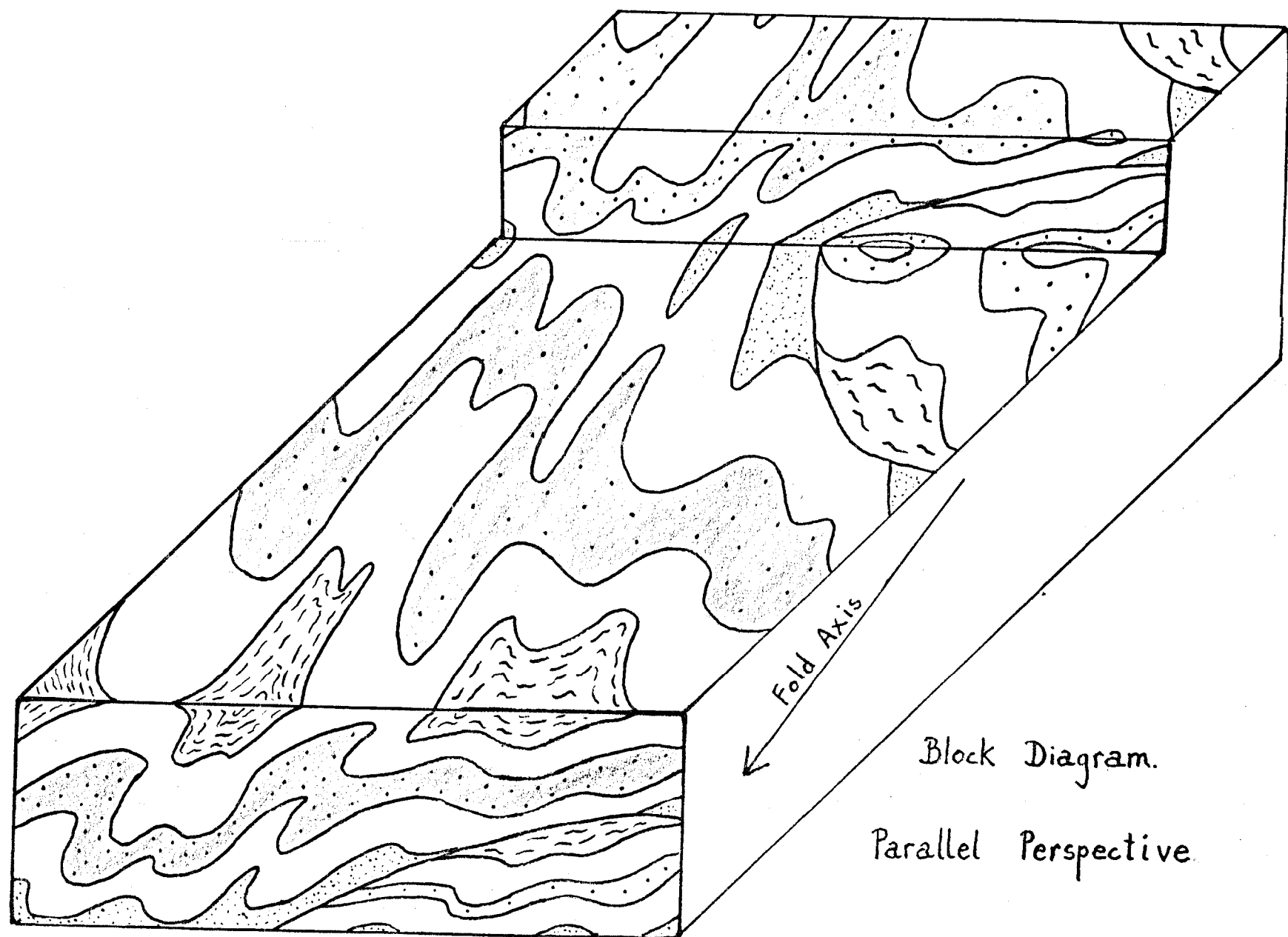
1:25000.

Relation of fold-axis to regional strike.

Axial-trend and regional strike do not coincide.

Axial-trend coincides with strike of vertical strata.

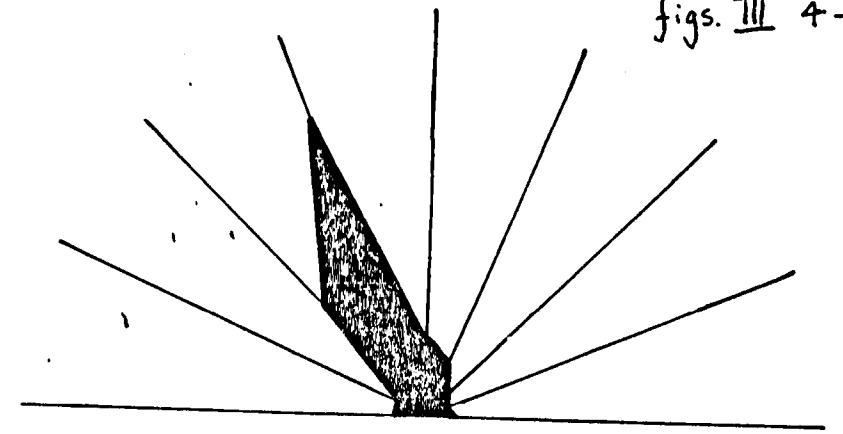
Axial-plunge coincides with the minimum dip.



Block Diagram.

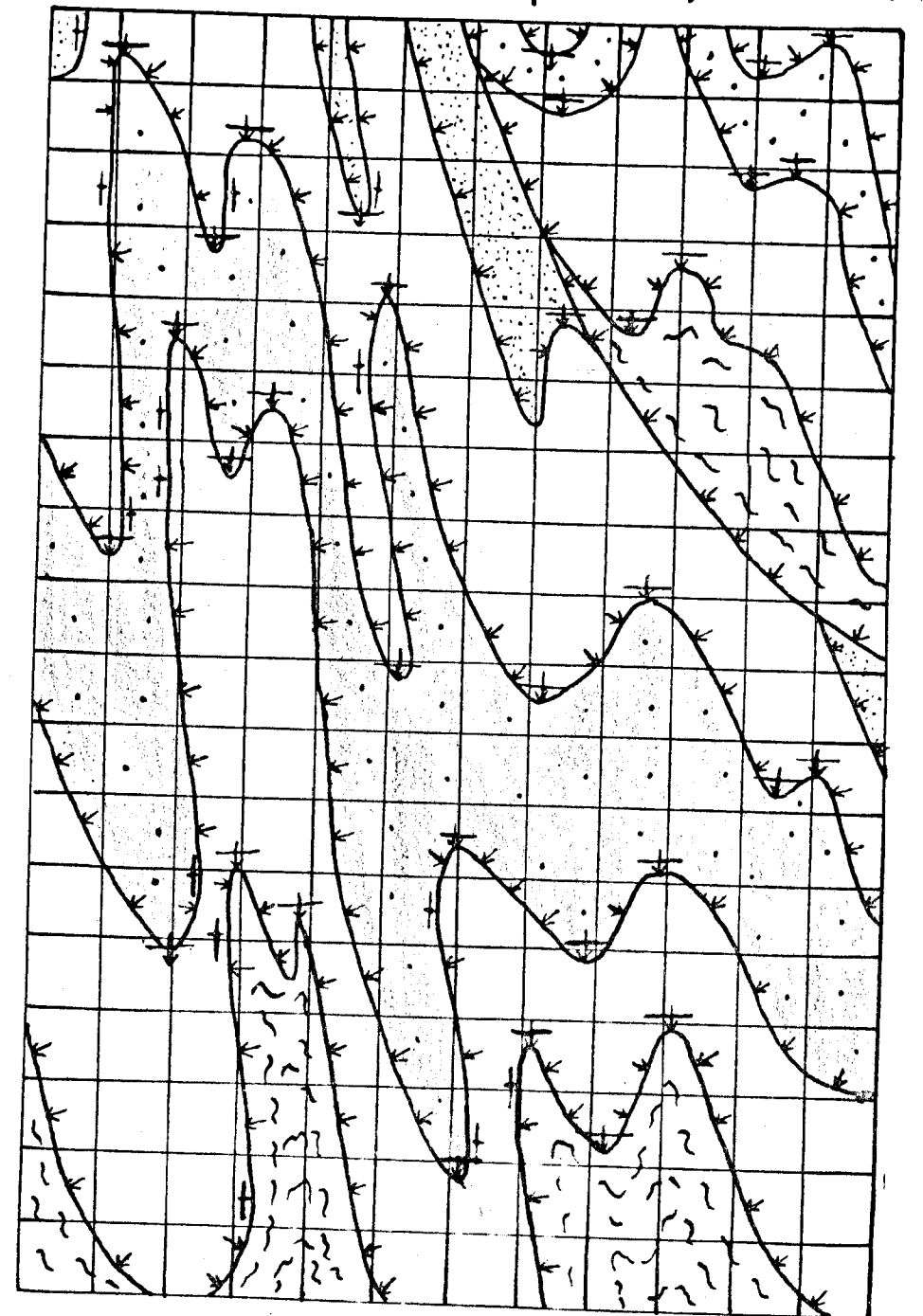
Parallel Perspective

D.B.M. Neuchâtel, Oct. 47.





Statistical analysis of strike-directions.

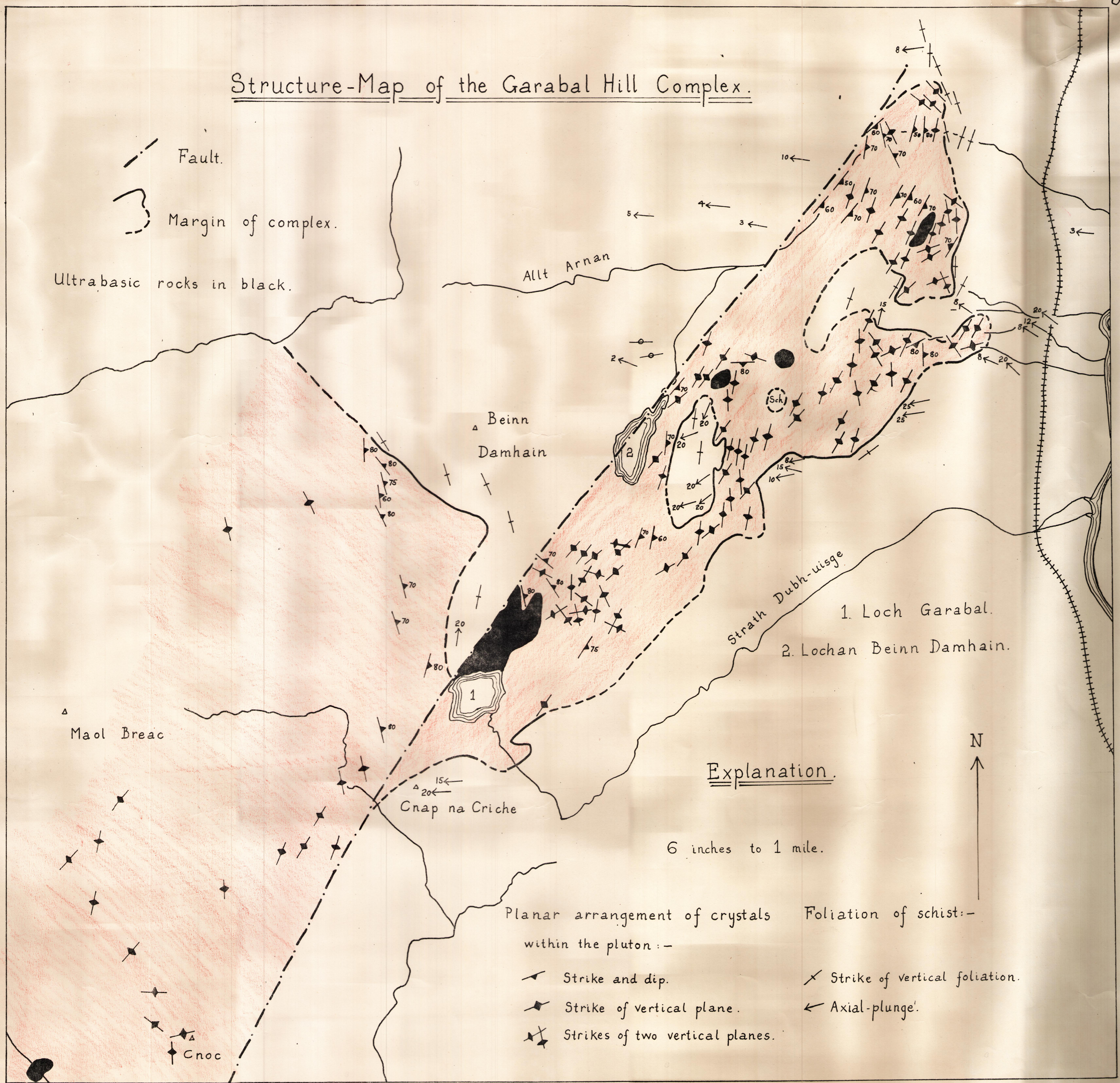
Map. \vee dip; \dagger dip vertical; ∇ minimum dip



Structure-Map of the Garabal Hill Complex.

 Fault.
 Margin of complex.

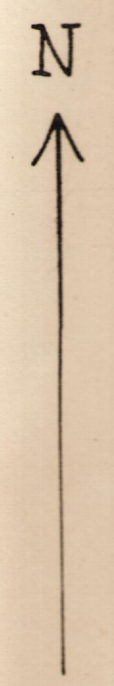
Ultrabasic rocks in black.






- 1. Loch Garabal.
- 2. Lochan Beinn Damhain.

Explanation.

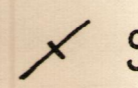
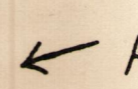
6 inches to 1 mile.



Planar arrangement of crystals within the pluton: -

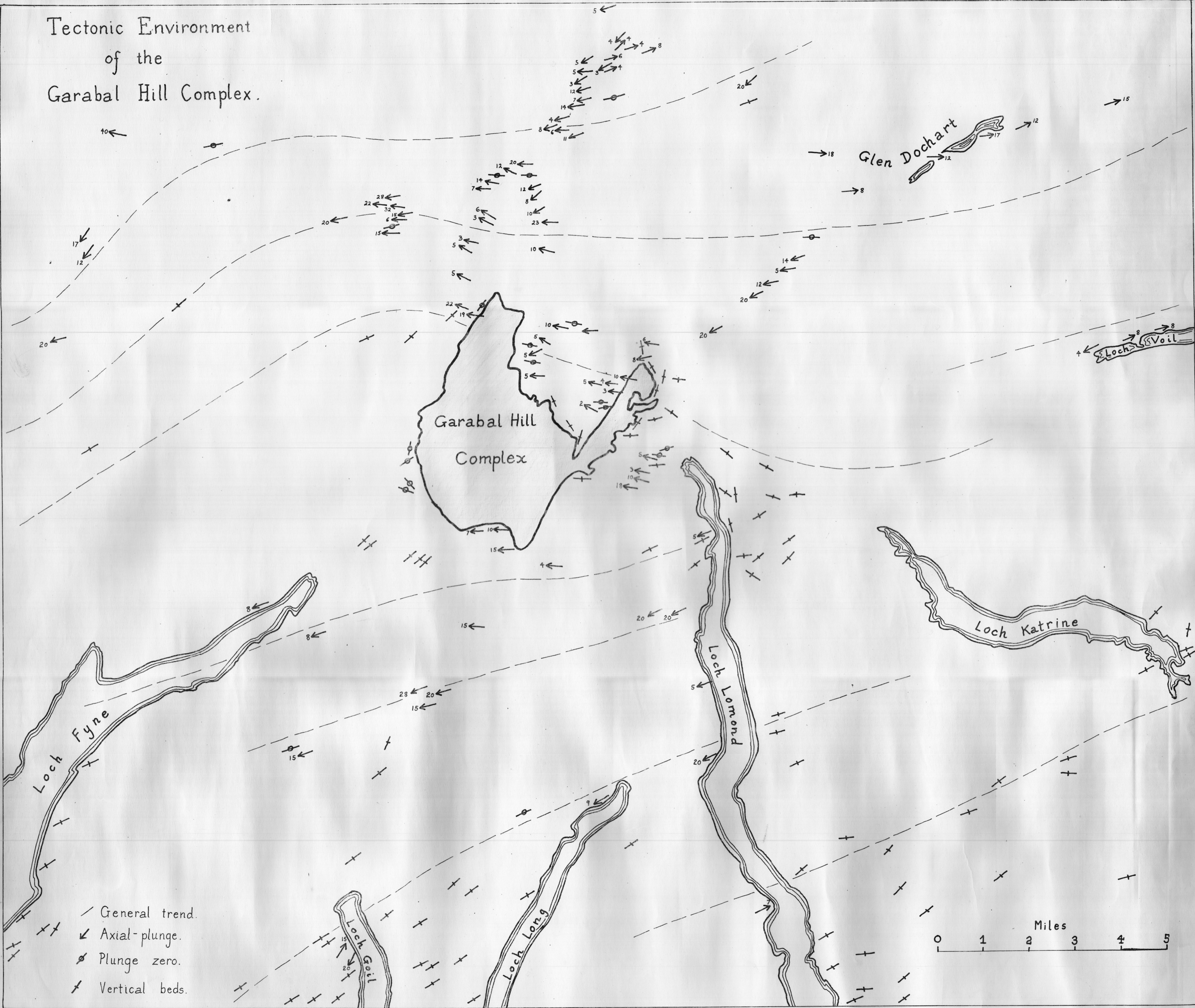
-  Strike and dip.
-  Strike of vertical plane.
-  Strikes of two vertical planes.

Foliation of schist: -

-  Strike of vertical foliation.
-  Axial-plunge.

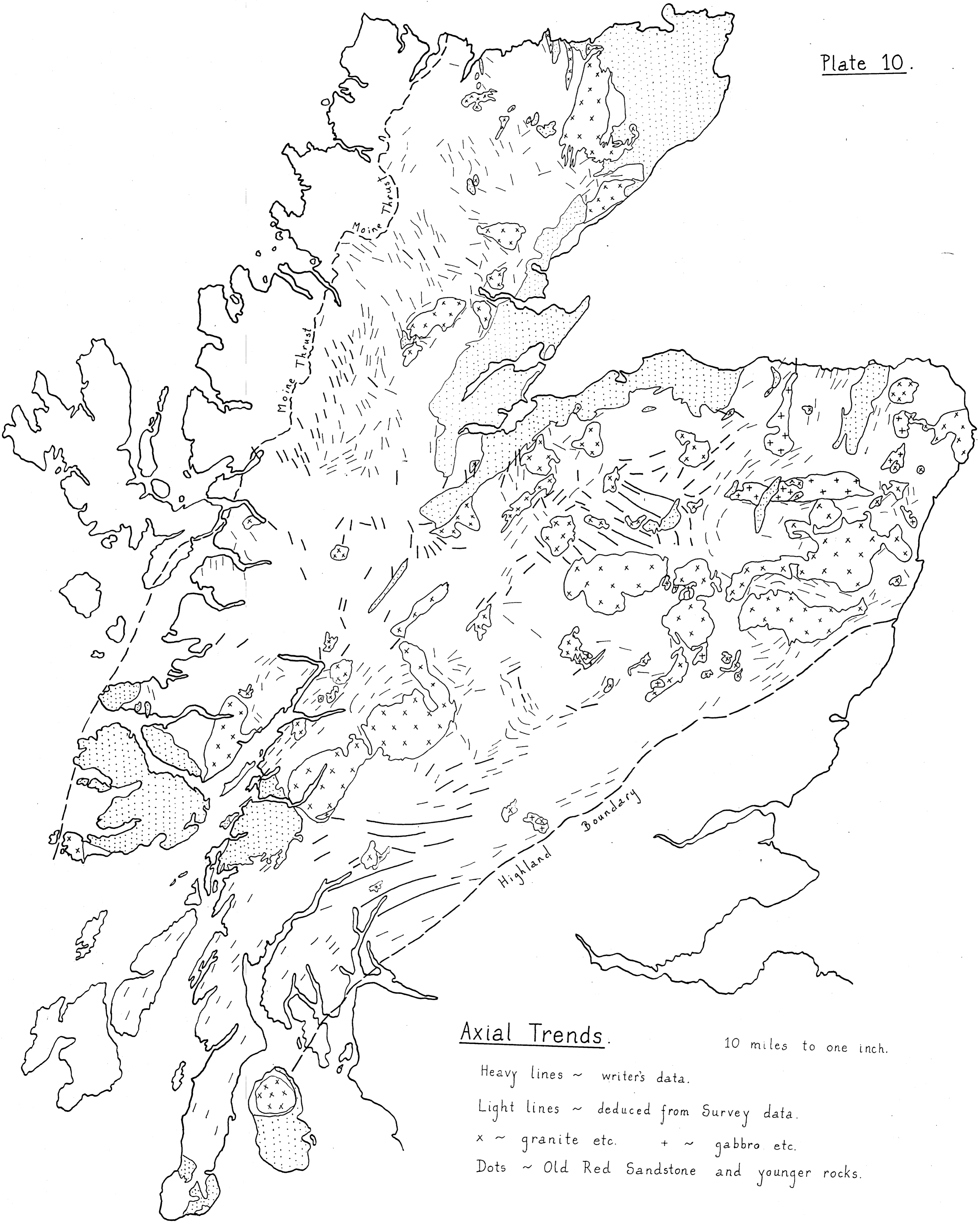
Cnoc

Tectonic Environment of the Garabal Hill Complex.



- General trend.
- ↙ Axial-plunge.
- ⊗ Plunge zero.
- ⊕ Vertical beds.

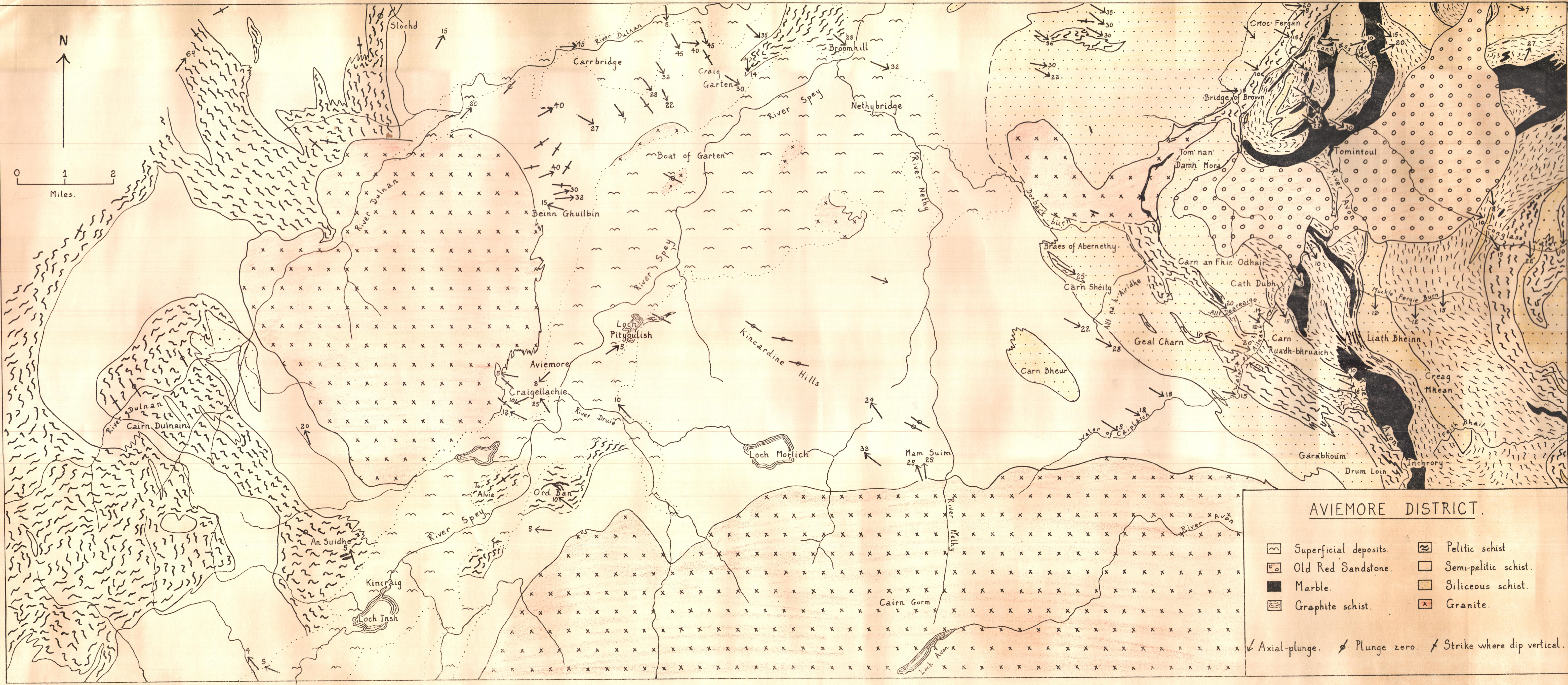
Miles
0 1 2 3 4 5



Axial Trends.

10 miles to one inch.

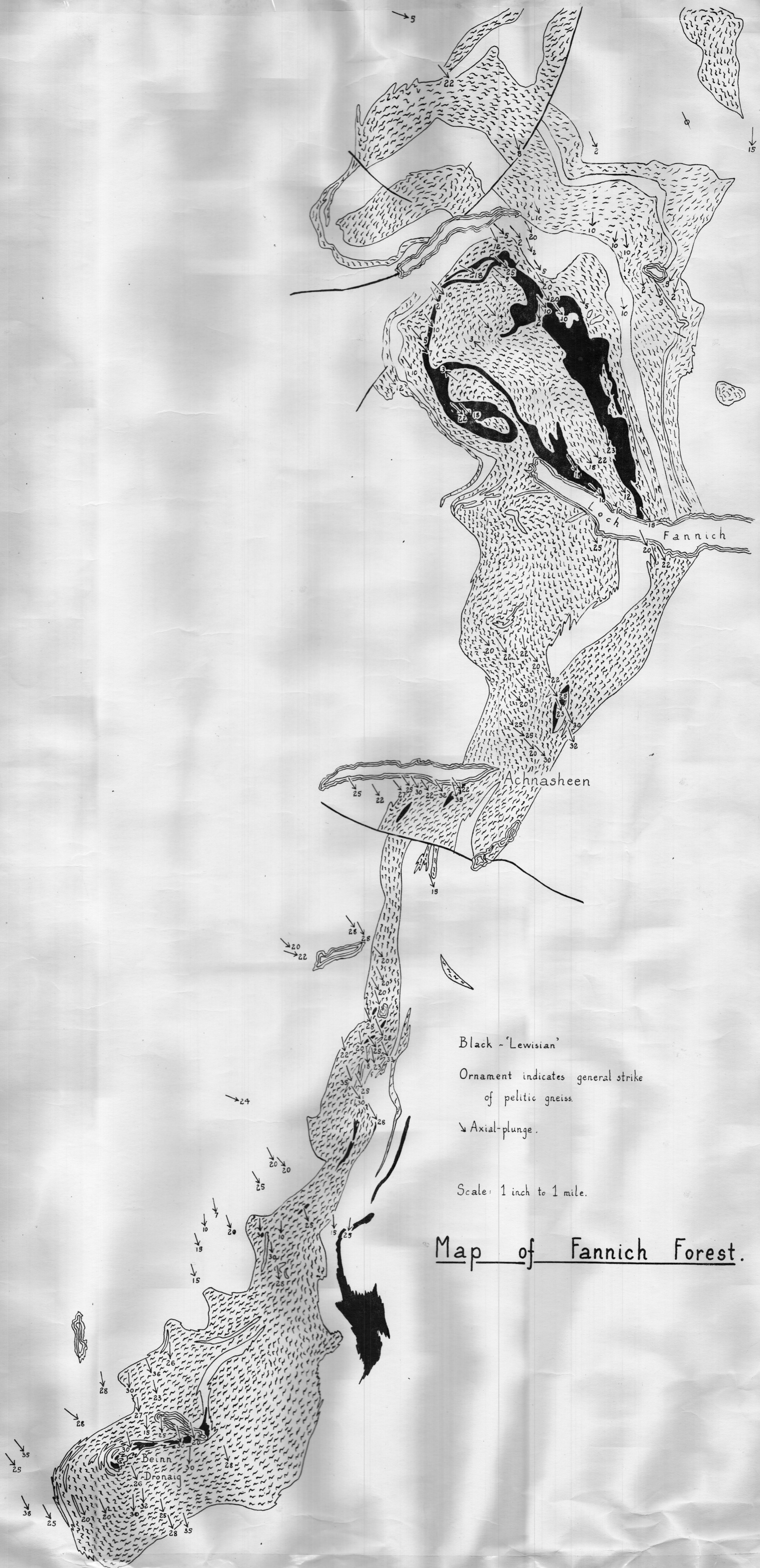
- Heavy lines ~ writer's data.
- Light lines ~ deduced from Survey data.
- x ~ granite etc. + ~ gabbro etc.
- Dots ~ Old Red Sandstone and younger rocks.



AVIEMORE DISTRICT.

- Superficial deposits.
- Old Red Sandstone.
- Marble.
- Graphite schist.
- Pelitic schist.
- Semi-pelitic schist.
- Siliceous schist.
- Granite.

↙ Axial-plunge. ↘ Plunge zero. / Strike where dip vertical.



Black - 'Lewisian'

Ornament indicates general strike of pelitic gneiss.

∨ Axial-plunge.

Scale: 1 inch to 1 mile.

Map of Fannich Forest.

