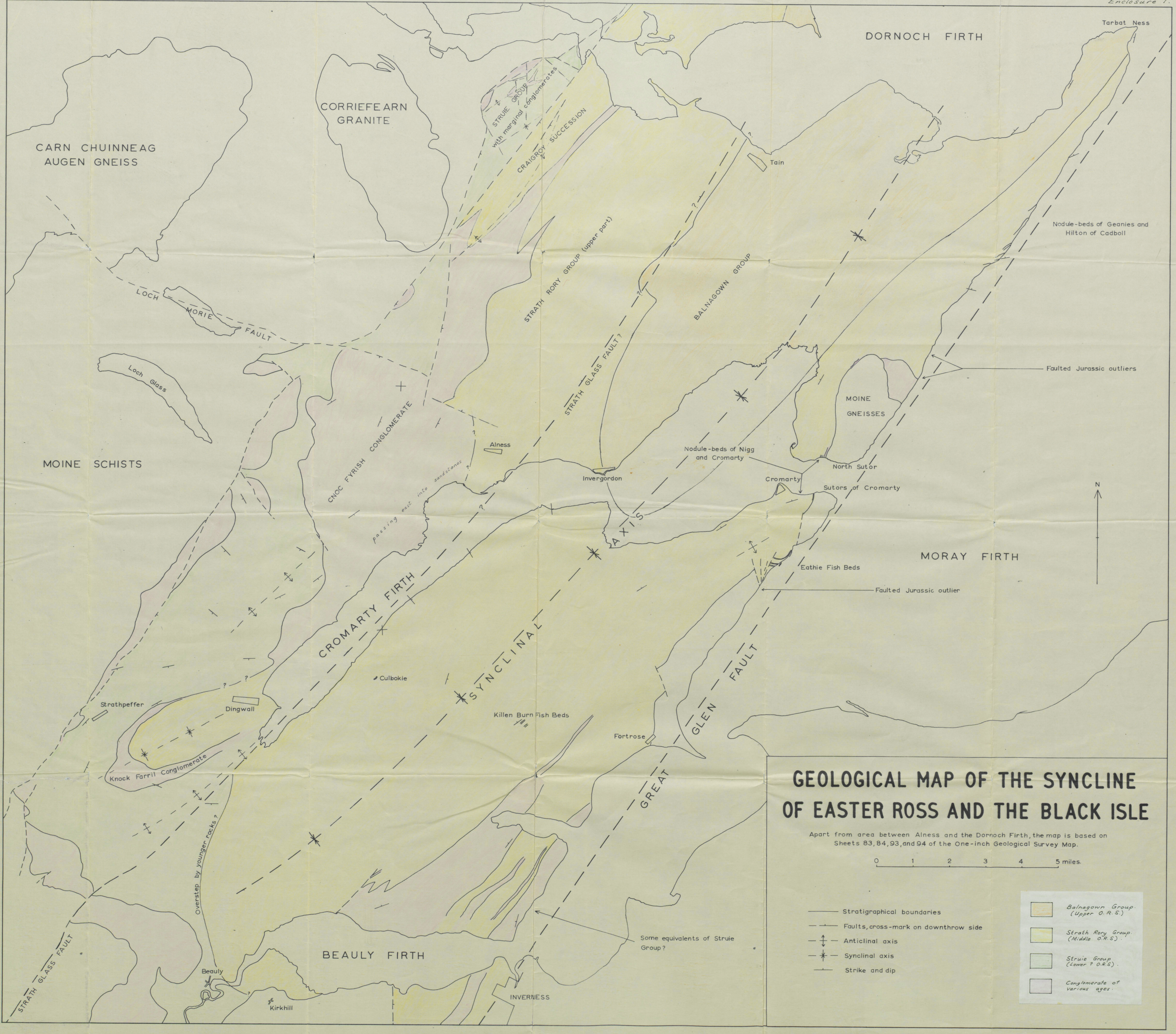




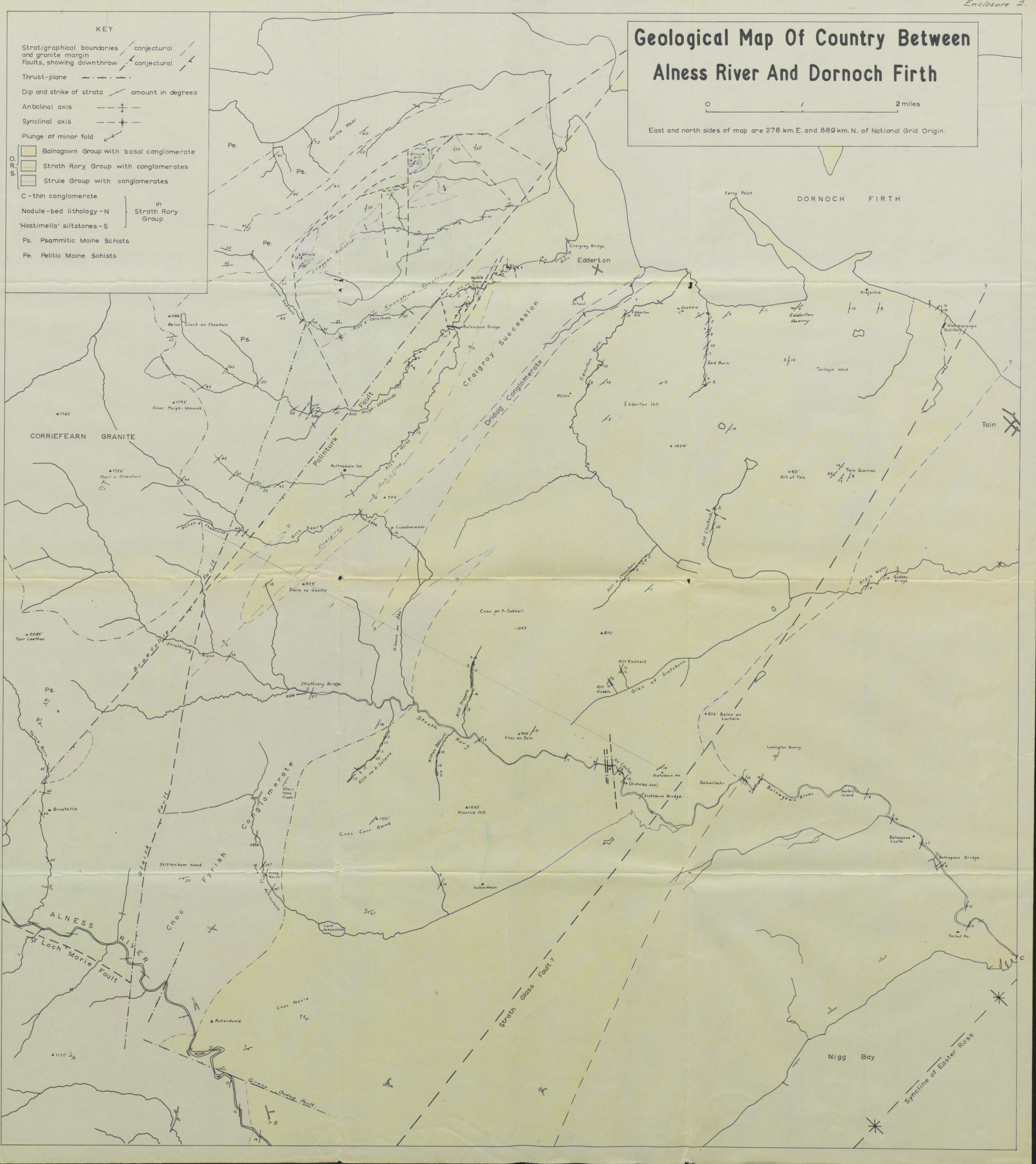
GEOLOGICAL MAP OF THE SYNCLINE OF EASTER ROSS AND THE BLACK ISLE

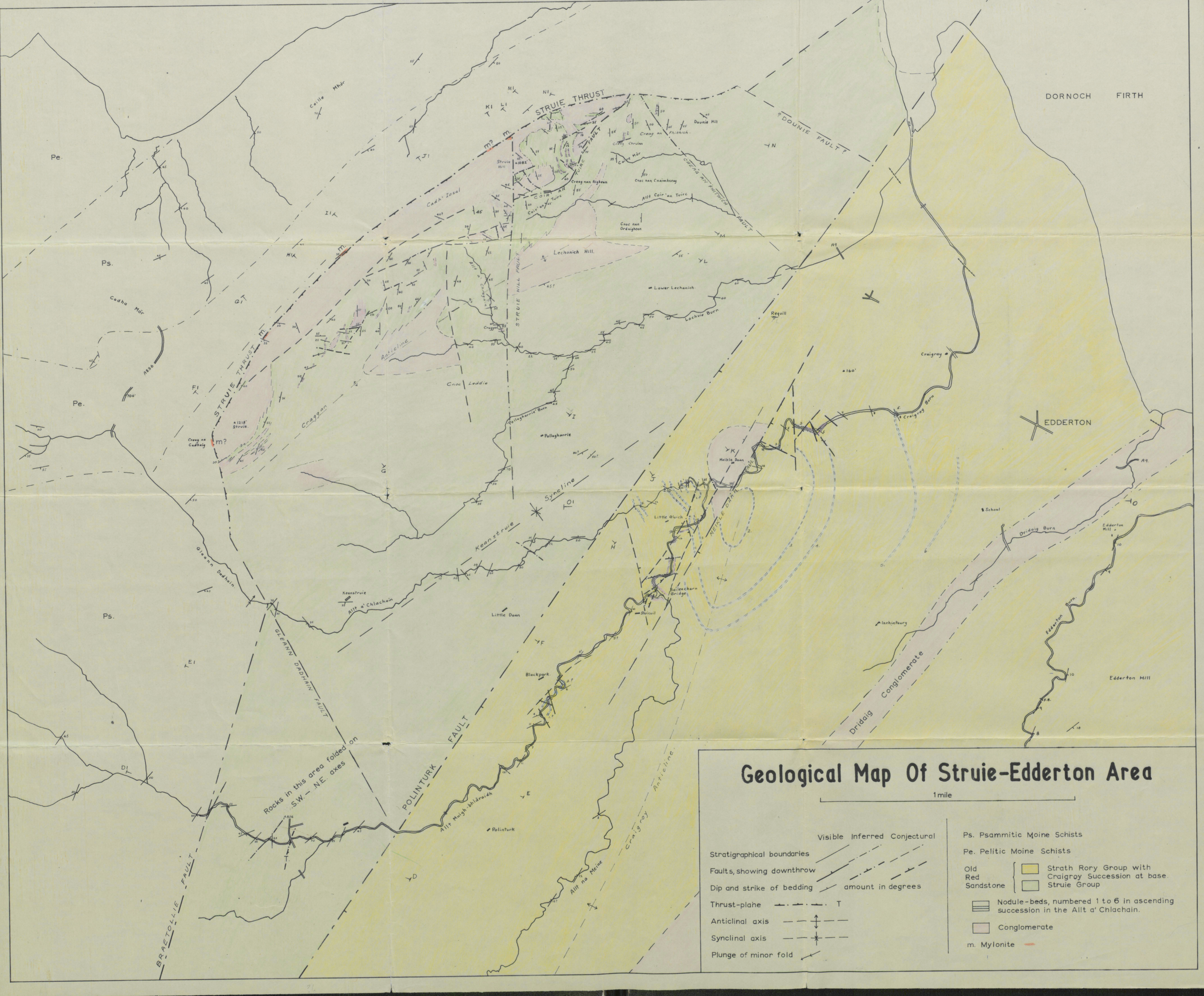
Apart from area between Alness and the Dornoch Firth, the map is based on Sheets 83, 84, 93, and 94 of the One-inch Geological Survey Map.

0 1 2 3 4 5 miles.

- Stratigraphical boundaries
- - - Faults, cross-mark on downthrow side
- ↑ Anticlinal axis
- * Synclinal axis
- Strike and dip

	Balnagown Group. (Upper O.R.S.)
	Strath Rory Group. (Middle O.R.S.)
	Struie Group. (Lower O.R.S.)
	Conglomerate of various ages.

[illegible][illegible]



Geological Map Of Struie-Edderton Area

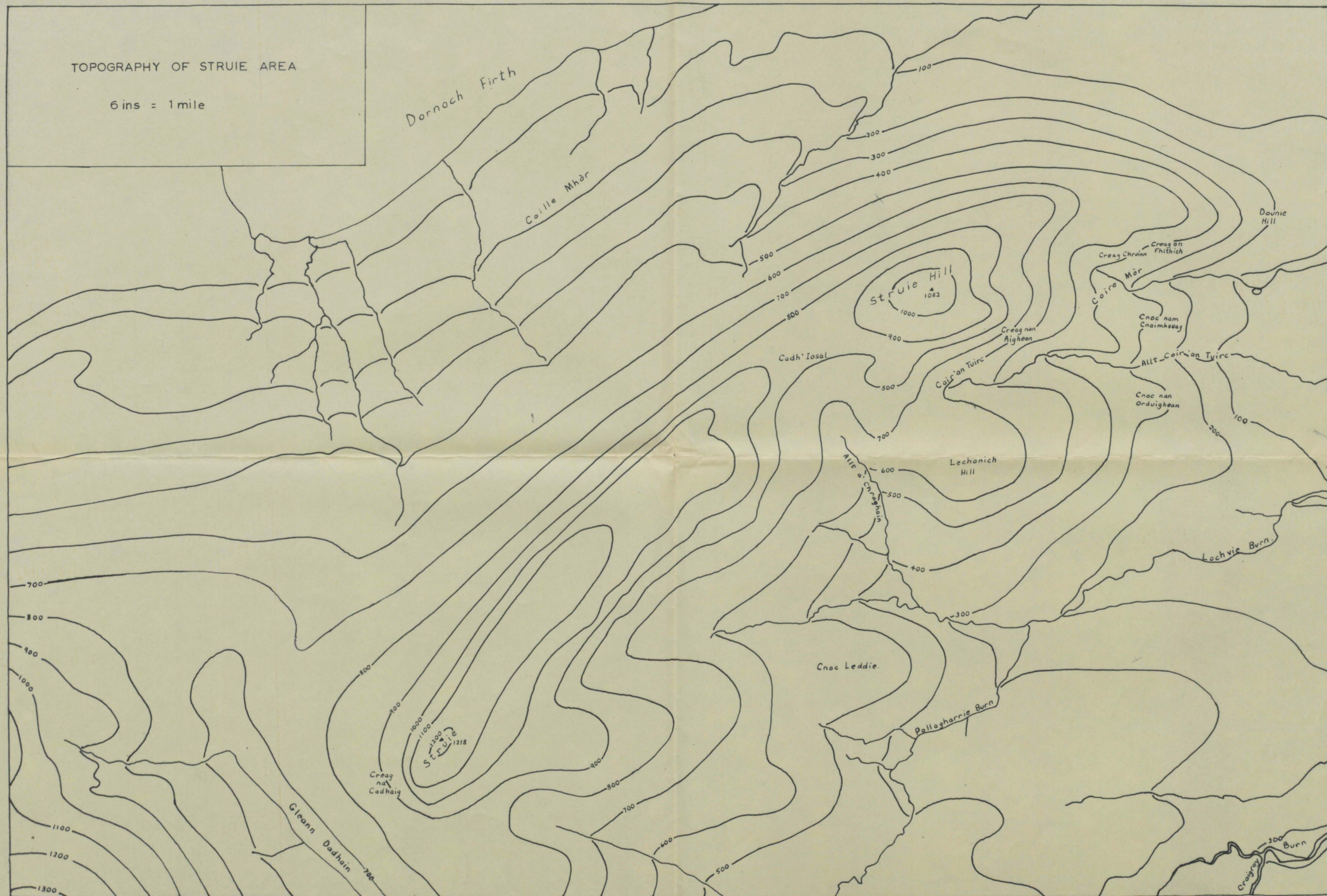
1 mile

- Visible Inferred Conjectural
- Stratigraphical boundaries ————
- Faults, showing downthrow ————
- Dip and strike of bedding ———— amount in degrees
- Thrust-plane ———— T
- Anticlinal axis ————
- Synclinal axis ————
- Plunge of minor fold ————

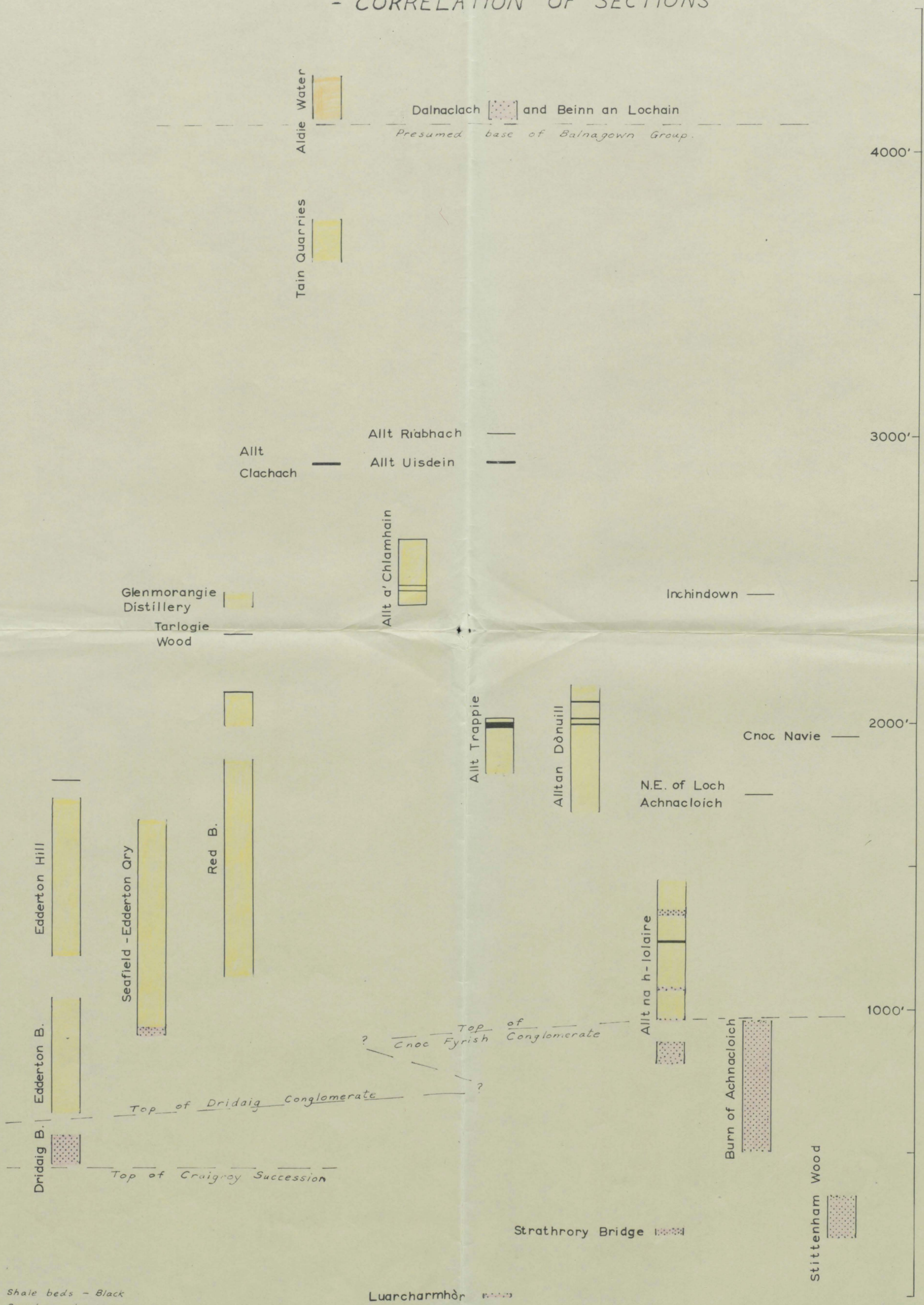
- Ps. Psammitic Moine Schists
- Pe. Pelitic Moine Schists
- Old Red Sandstone { Strath Rory Group with Craigroy Succession at base.
Struie Group
- Nodule-beds, numbered 1 to 6 in ascending succession in the Allt a' Chlachain.
- Conglomerate
- m. Mylonite

TOPOGRAPHY OF STRUIE AREA

6 ins = 1 mile



STRATH RORY GROUP. - CORRELATION OF SECTIONS



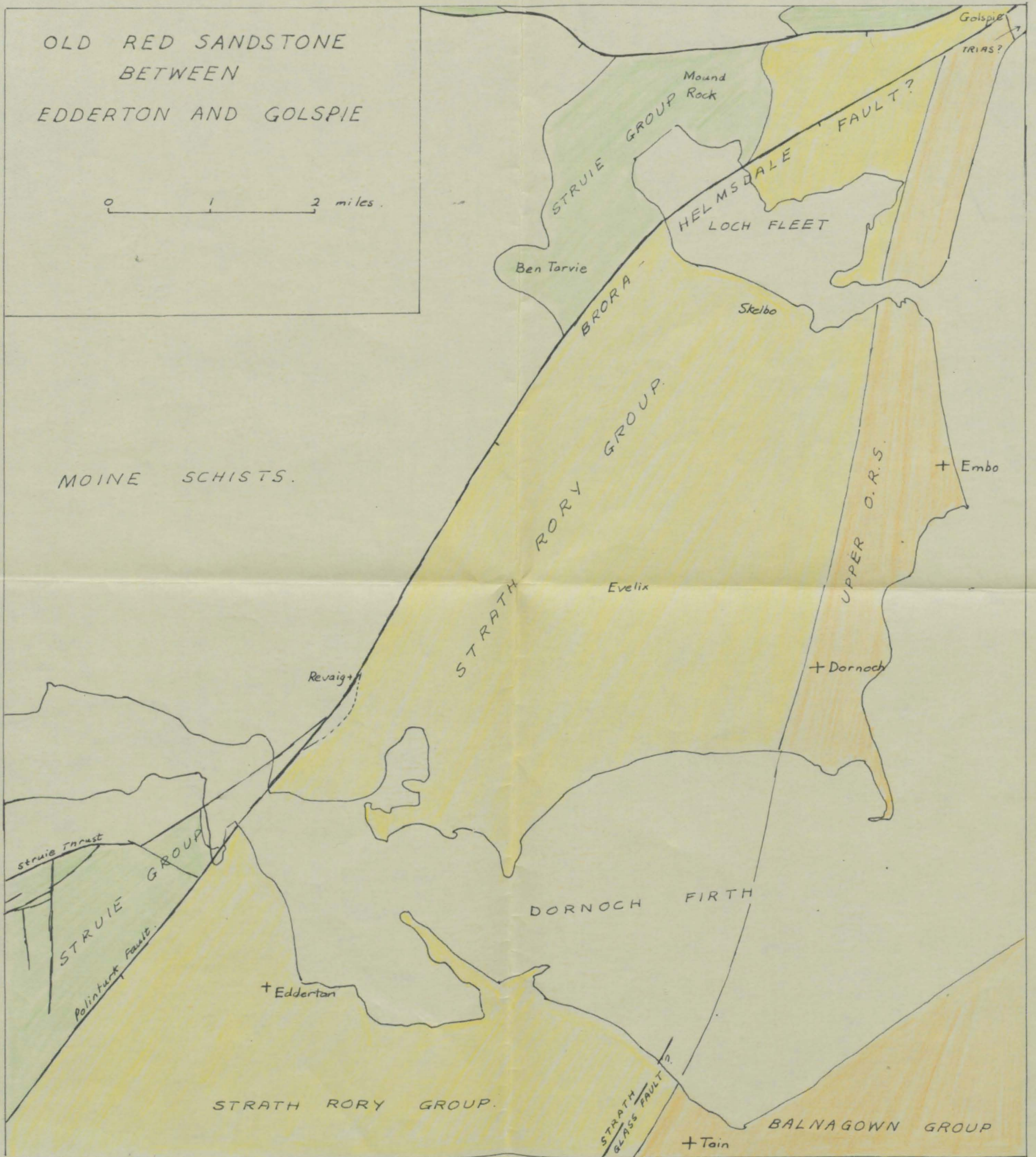
Shale beds - Black
Conglomerates - Stippled, pink.

Correlation of the Old Red Sandstone North of Strath Nairn

	East Caithness	Berrie dale Outlier	Brora Outlier	Loch Fleet -Dornoch	Nigg -Tarbat Ness	Edderton -Alness	Alness -Dingwall	Strathpeffer -Cononbridge	Beauly	Strath Nairn
Upper O.R.S.	Dunnet Sandstone ~~~~~ ?			Holoptychian Sandstones of Dornoch ?	Sandstones of Tarbat Ness ~~~~~ ?	Balnagown Group ~~~~~ ?				Sandstones ~~~~~
Middle O.R.S.	John o' Groats Sandstone Thurso Flagstone Group Achanarras Band Passage Beds Wick Flagstone Group Helman Head Beds Ellen's Goe Conglomerate Ulbster Sandstone ?	 Berriedale Flags Berriedale Sandstones Badbea Breccia ~~~~~	 Flaggy sandstones of Col-bheinn Conglomerates and pebbly sandstones ~~~~~	 ~~~~~ ?	 Red and yellow sandstones with nodule-beds of Nigg, Hilton of Cadboll and Geanies ~~~~~ ?	 Strath Rory Group with nodule-beds of Craigroy Succession ~~~~~ ?	 Red and yellow sandstones Conglomerates and pebbly sand- stones of Cnoc Fyrish ~~~~~ ??	 Knock Farril Conglomerate ~~~~~ ??	 Millbuie Sandstones (Relations here obscure)	Hillhead Sandstones Inshes Flagstones Leanach Sandstones Fish-beds of Nairnside and Clava Basal Conglomerate ~~~~~
Basement Group	Ulbster Mudstones Sarclet Sandstone Sarclet Conglomerate	Ousdale Mudstones Ousdale Arkoses and Langwell Conglomerate ~~~~~	Mudstones and sandstones Basal Conglomerate and Arkoses ~~~~~	 Conglomerates of Ben Tarvie and Mound Rock ~~~~~		Struie Group ~~~~~	Flags and mudstones Basement Conglomerate ~~~~~	Bituminous and calcareous shales and flags Basement Conglomerate ~~~~~	Shales and mudstones Basement Conglomerate ~~~~~	
		Helmsdale Granite in Moine Schists	Moine Schists	Moine Schists	Moine Schists	Moine Schists	Moine Schists	Moine Schists	Moine Schists	Central Highland Granulites

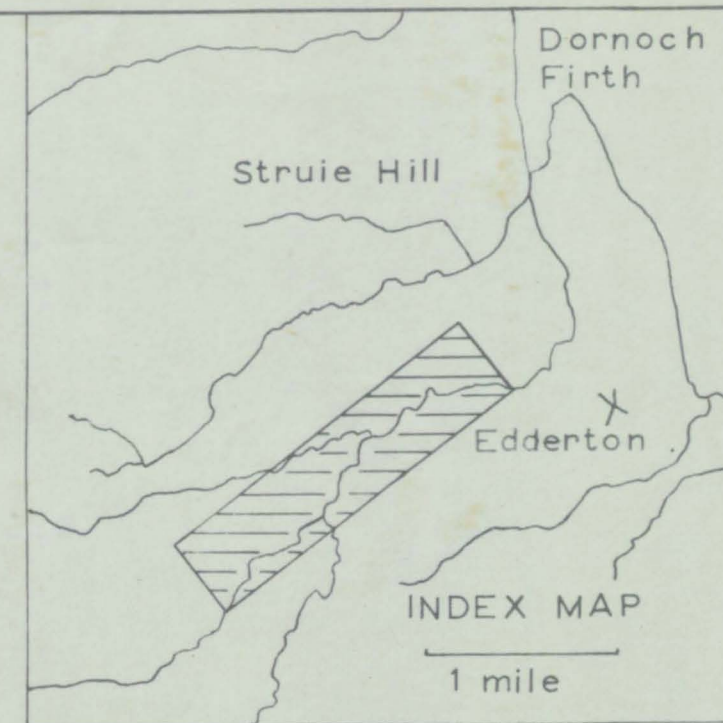
OLD RED SANDSTONE
BETWEEN
EDDERTON AND GOLSPIE

0 1 2 miles.

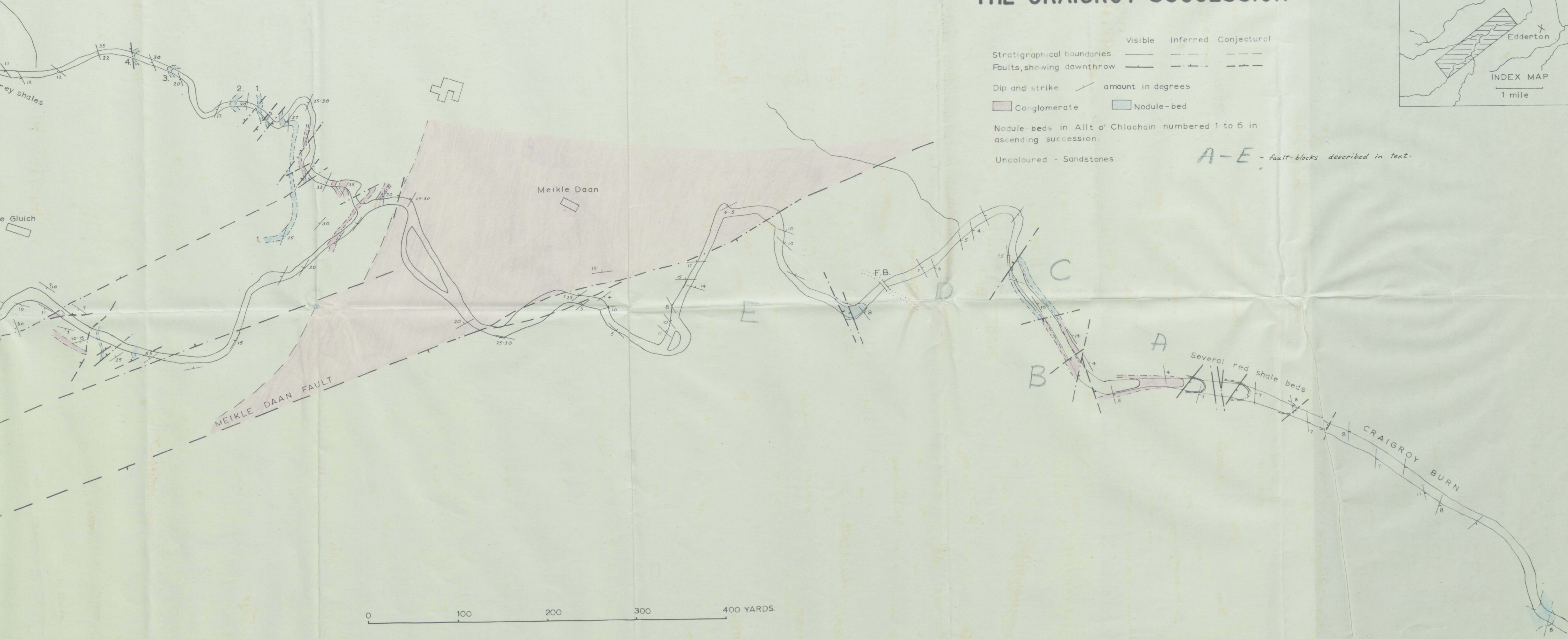




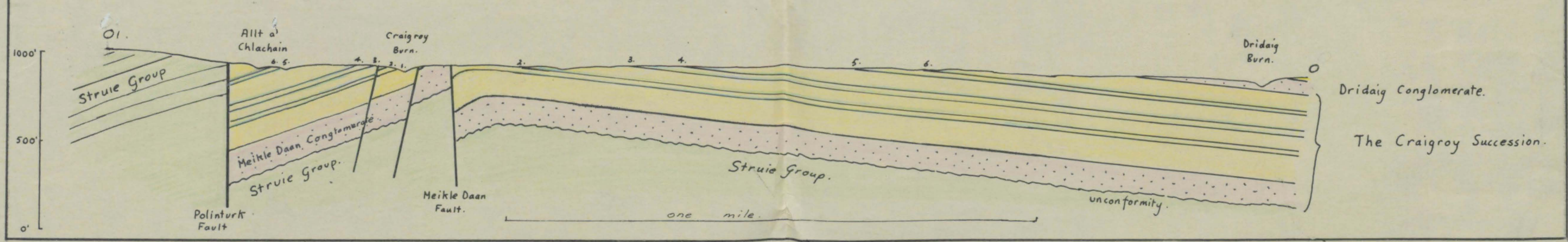
THE CRAIGROY SUCCESSION



- Visible Inferred Conjectural
- Stratigraphical boundaries ——— - - - - - -
- Faults, showing downthrow ——— - - - - - -
- Dip and strike / amount in degrees
- Conglomerate Nodule-bed
- Nodule-beds in Allt a' Chlachain numbered 1 to 6 in ascending succession.
- Uncoloured - Sandstones
- A-E - fault-blocks described in text.*



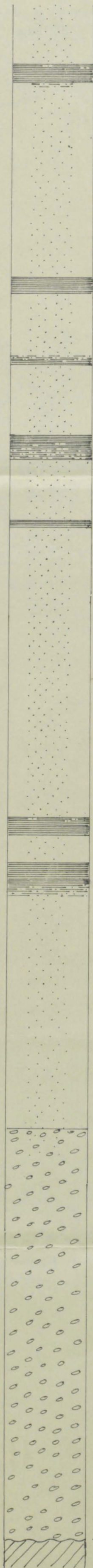
VERTICAL SECTION SHOWING HYPOTHETICAL STRUCTURE OF CRAIGROY FAULT-ZONE.
(along line 0-01 on six-inch map)



LOWER PART OF STRATH RORY GROUP

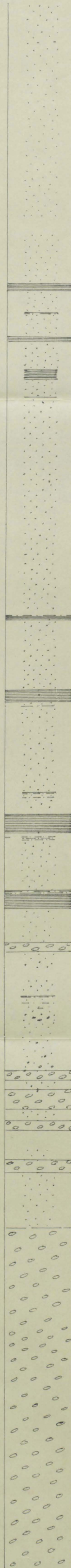
(Scale One inch = 40 feet)

SECTION AT NORTH SUTOR



Unconformity
MOINE SCHISTS

SECTION IN ALLT A' CHLACHAIN EDDERTON (Craigroy Succession)



— thought to underlie
Dridaig Conglomerate

Nodule-bed 6.

Nodule-bed 5.

Nodule-bed 4.

Nodule-bed 3.

Nodule-bed 2.

Nodule-bed 1.

MEIKLE DAAN
CONGLOMERATE

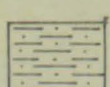
Base unexposed. Thought
to overlie Struie Group.



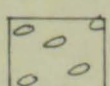
Sandstone



Shale, generally with limestone nodules
and bands.



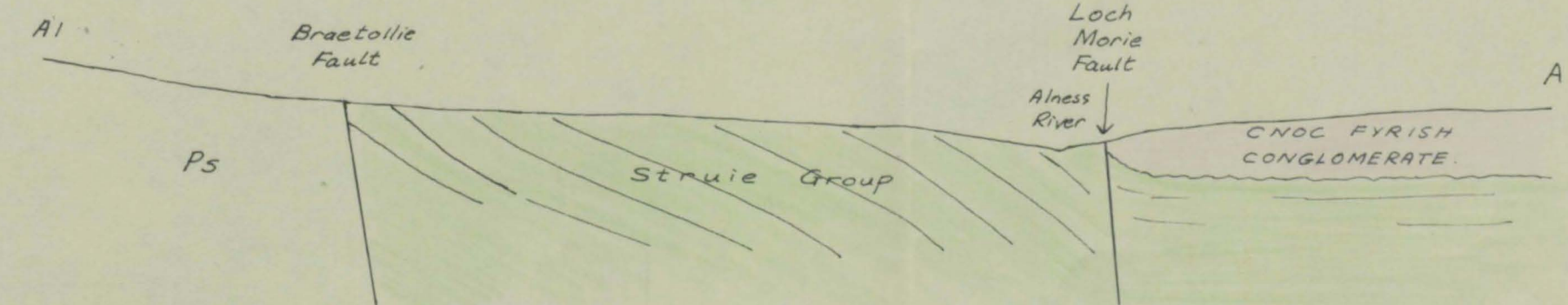
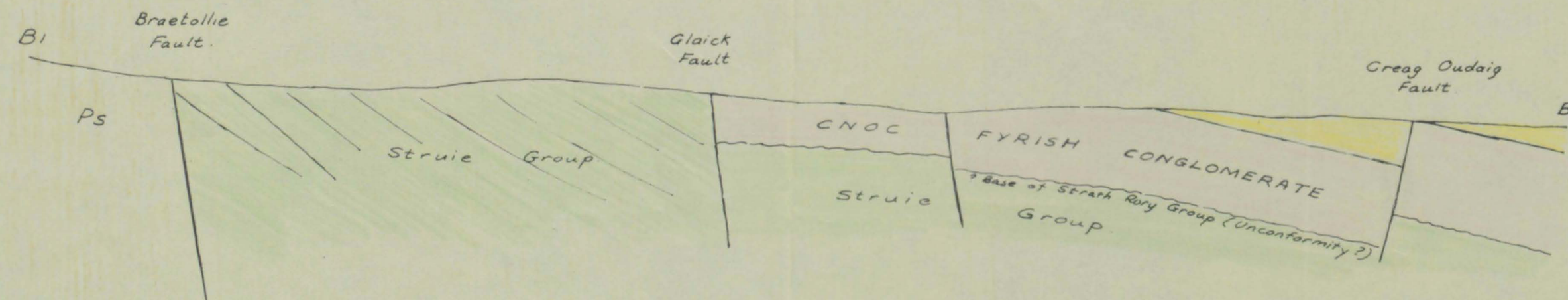
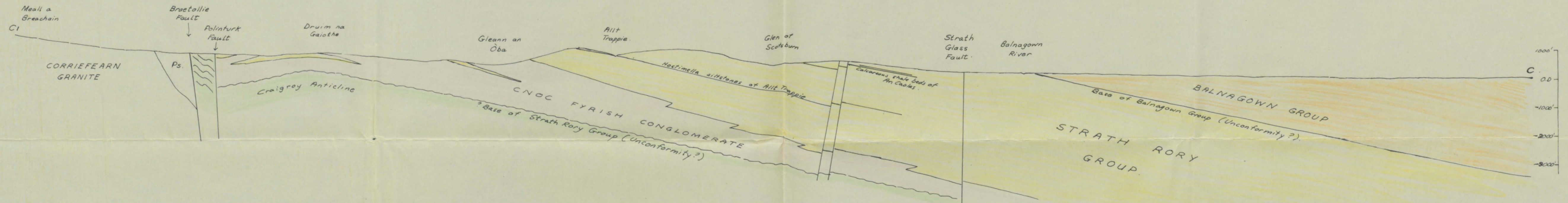
Shale and sandstone



Conglomerate.

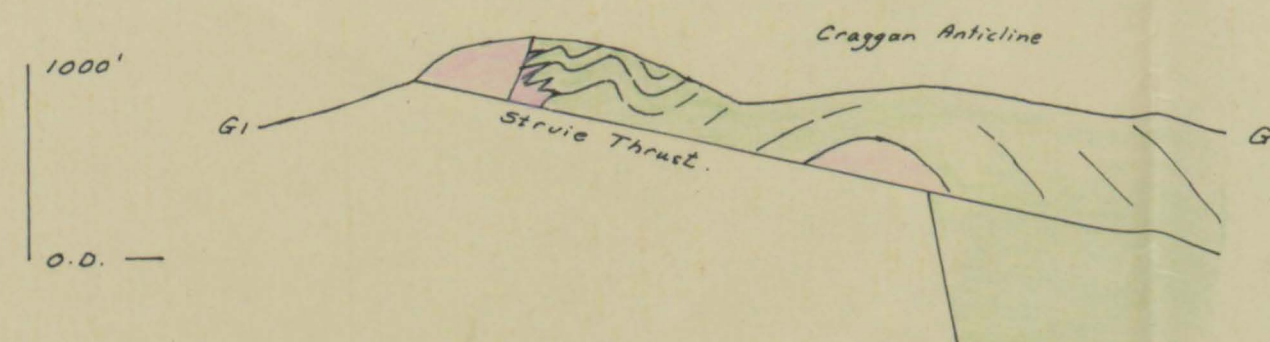
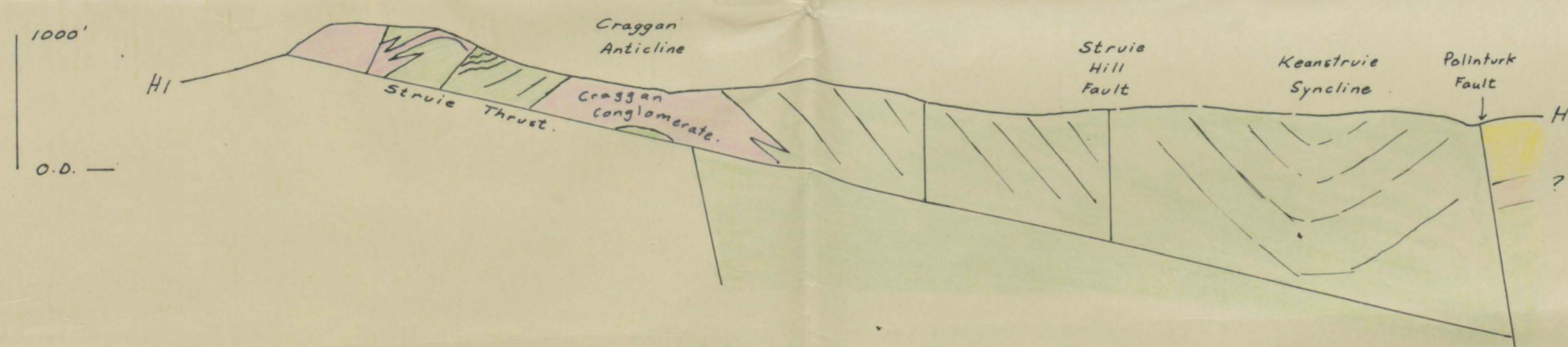
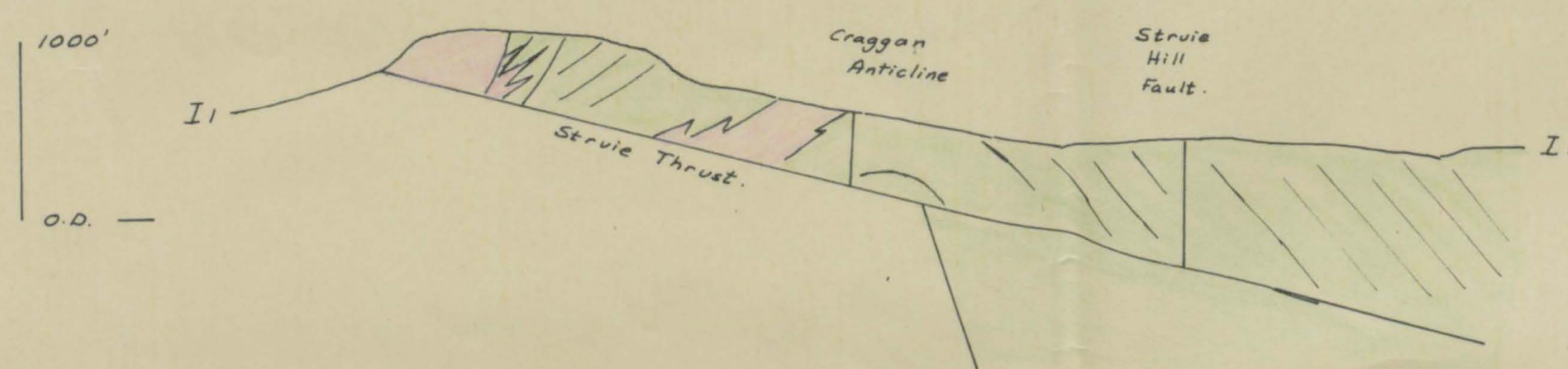
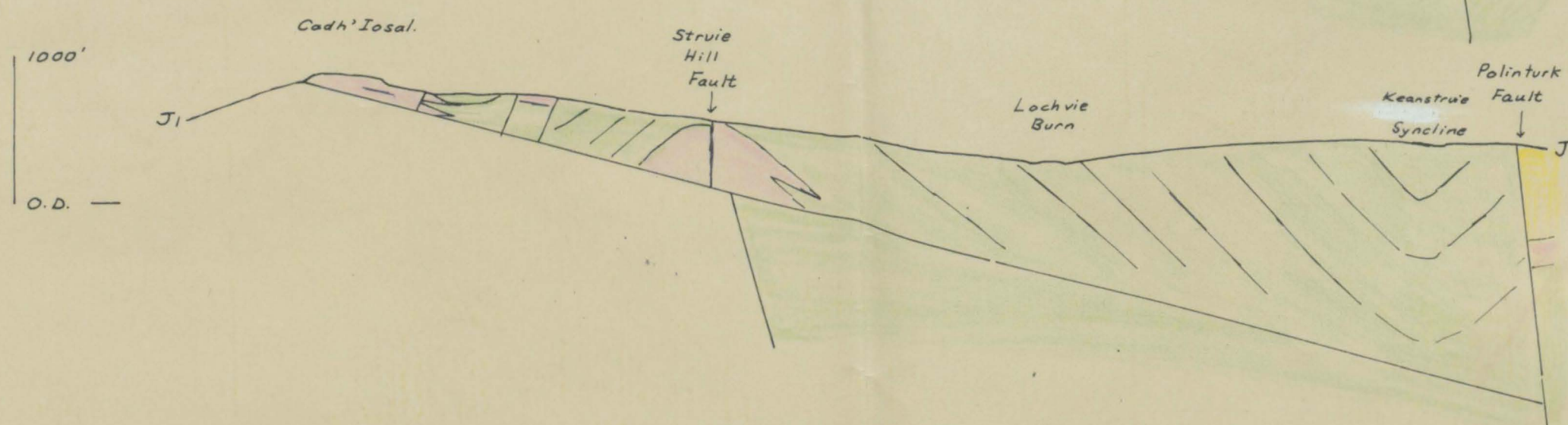
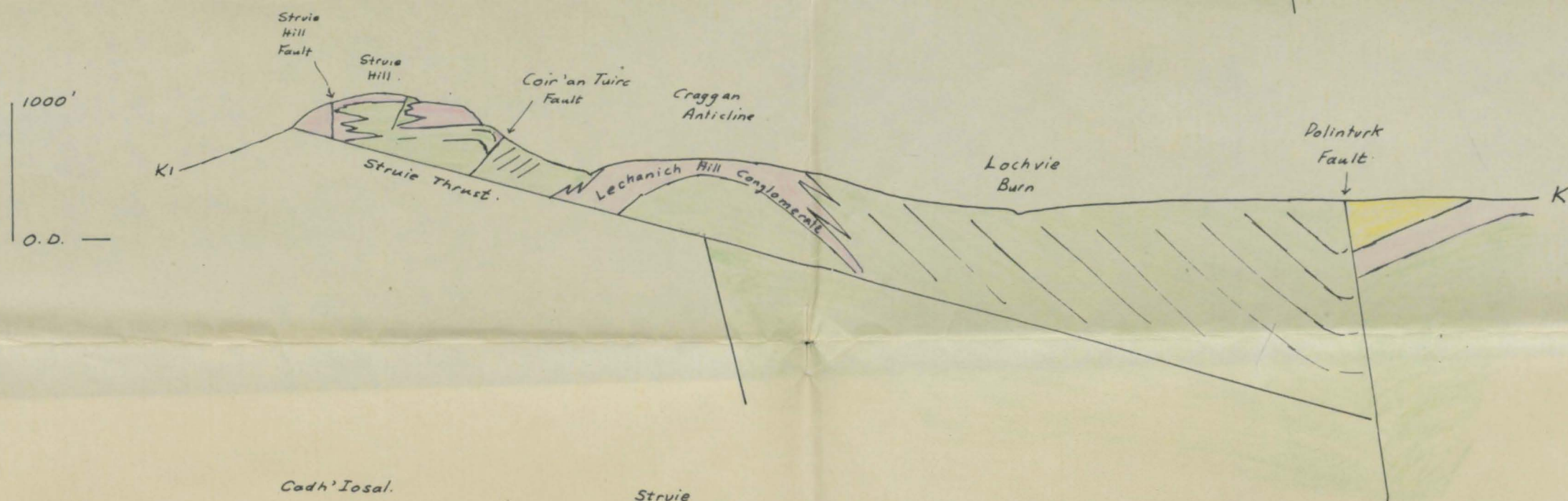
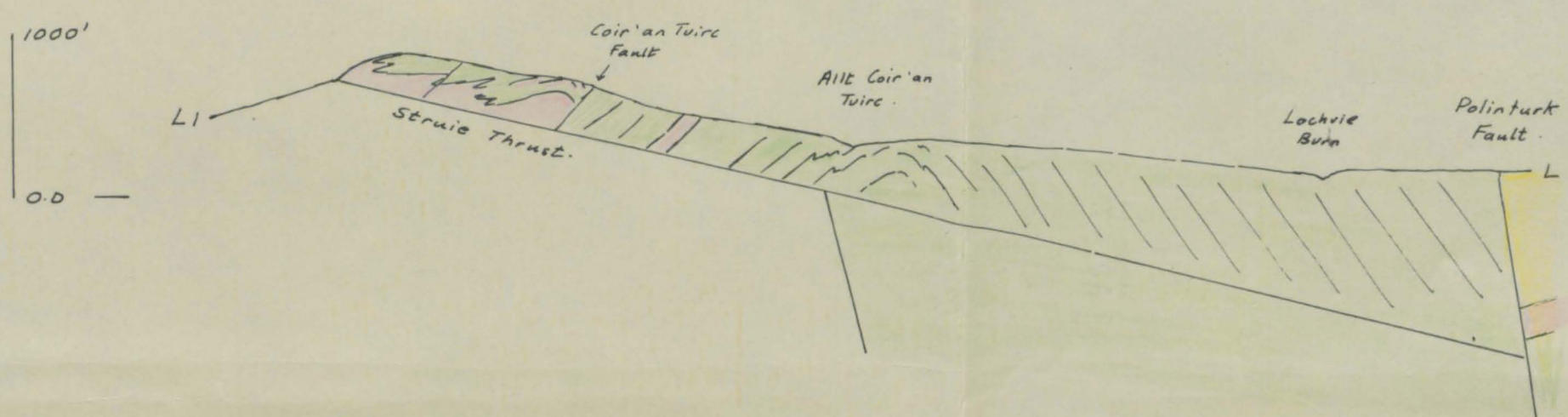
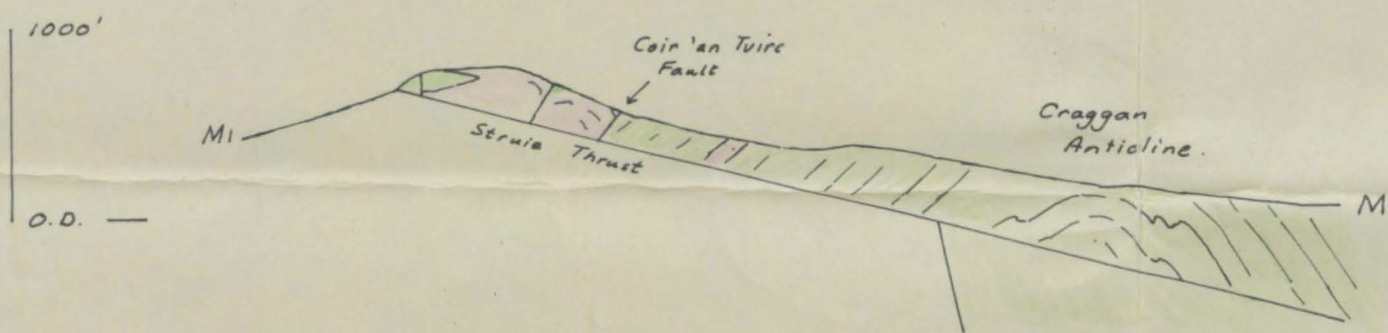
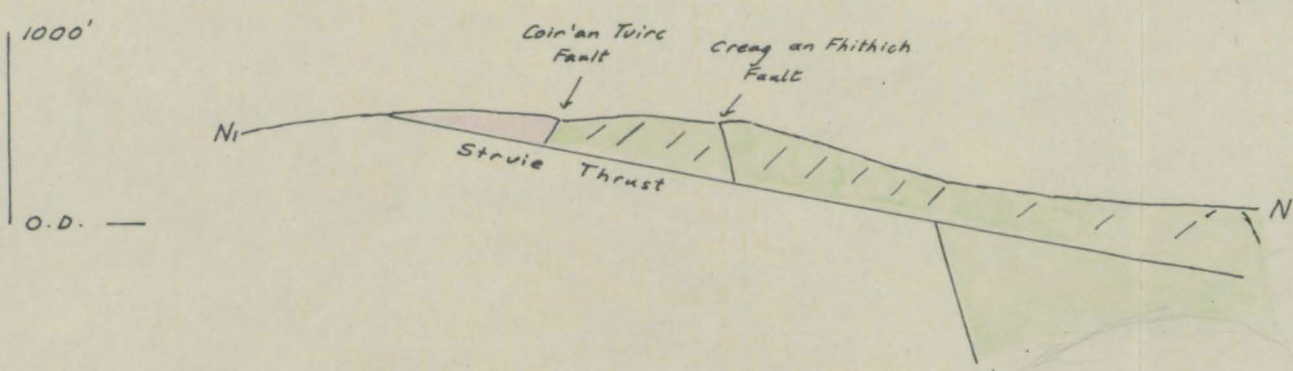
GEOLOGICAL SECTIONS ACROSS AREA BETWEEN ALNESS RIVER AND ALLT DEARG.

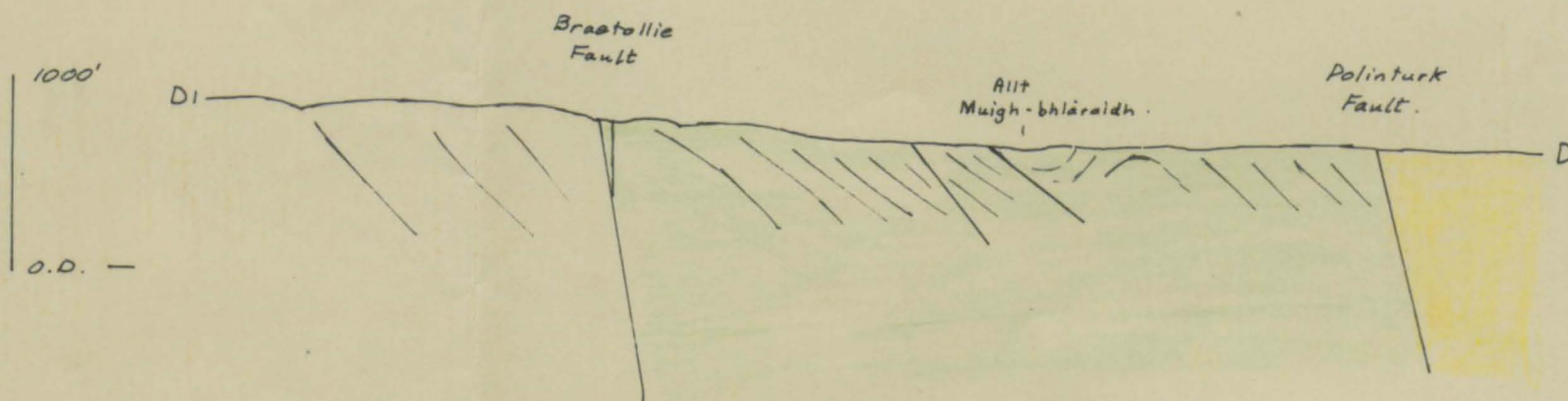
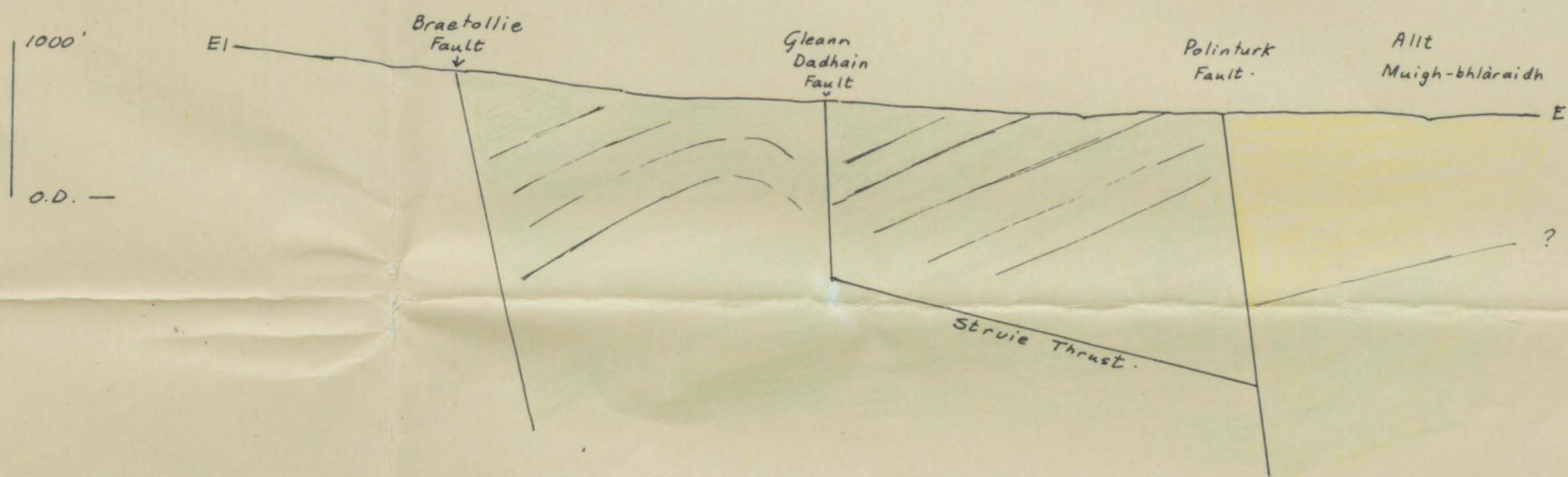
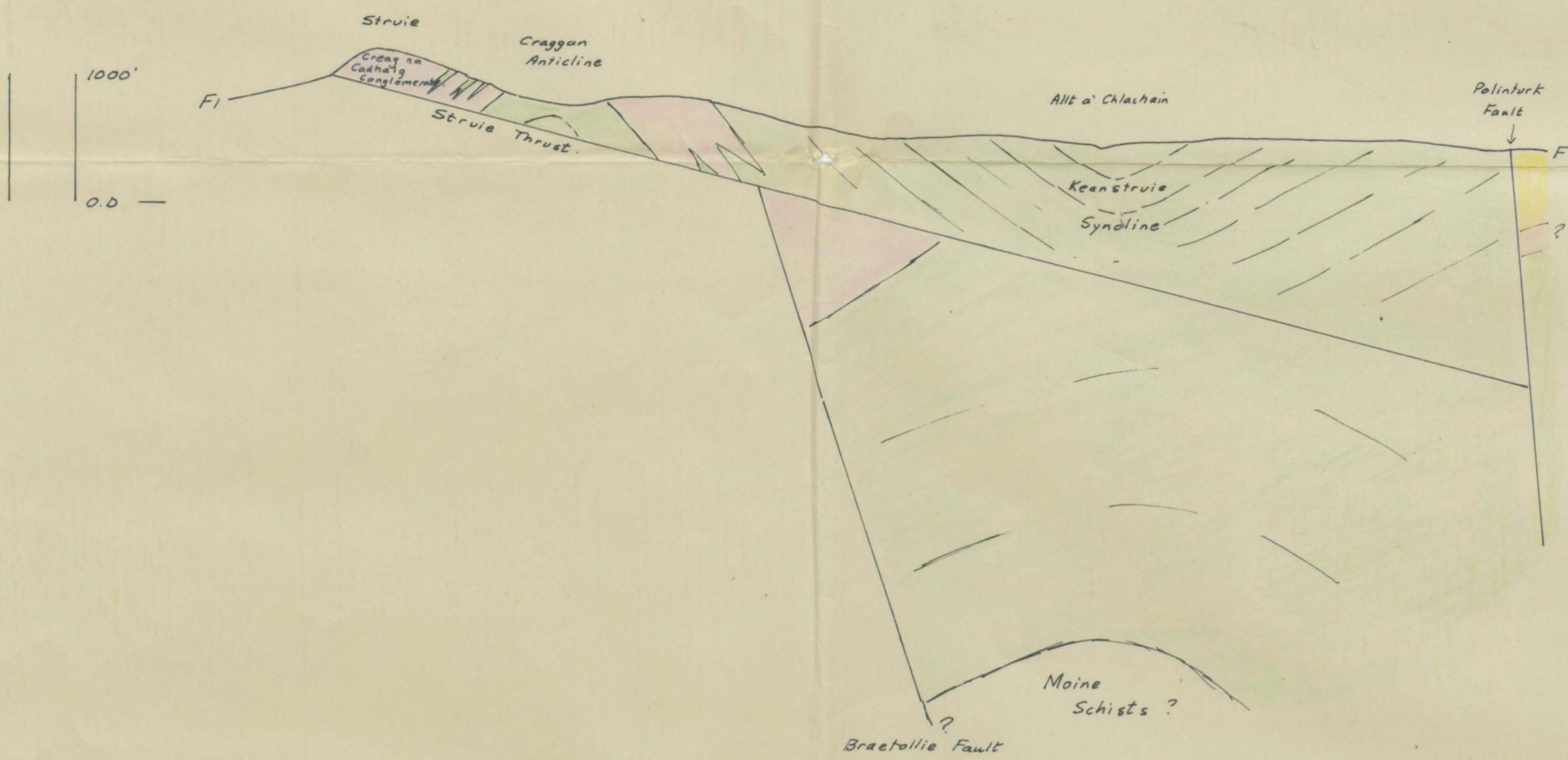
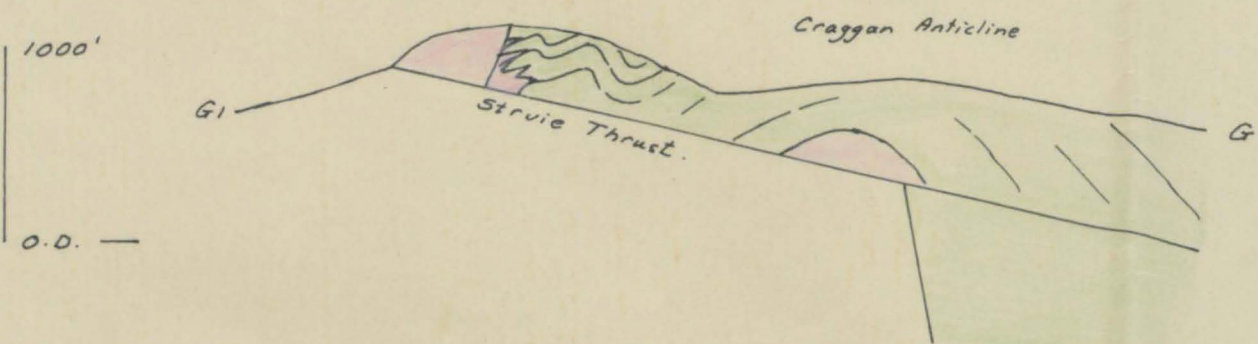
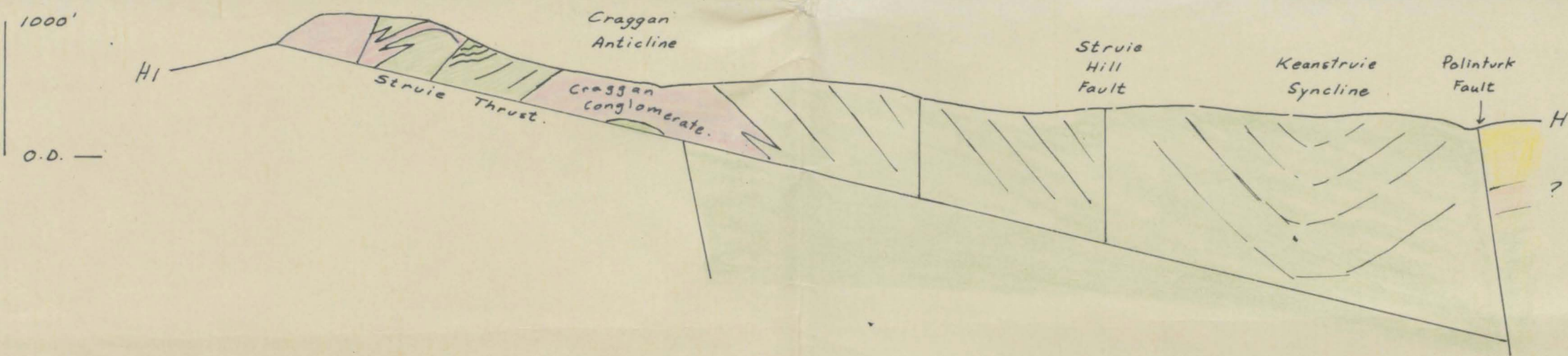
one mile



SECTIONS SHOWING STRUCTURE OF STRUIE AREA.

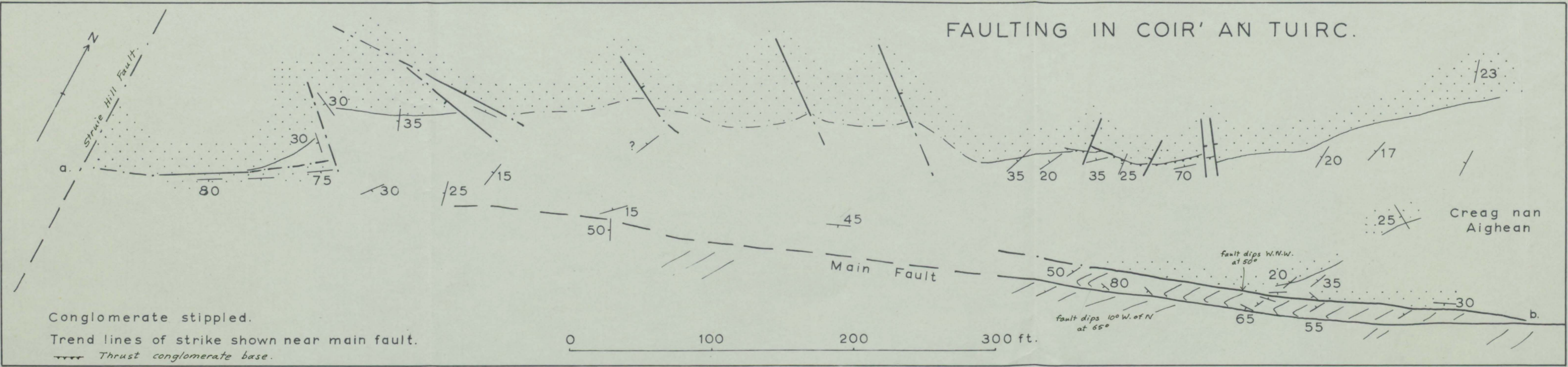
(letters refer to lines of section on six-inch map of Struie-Edderton area)



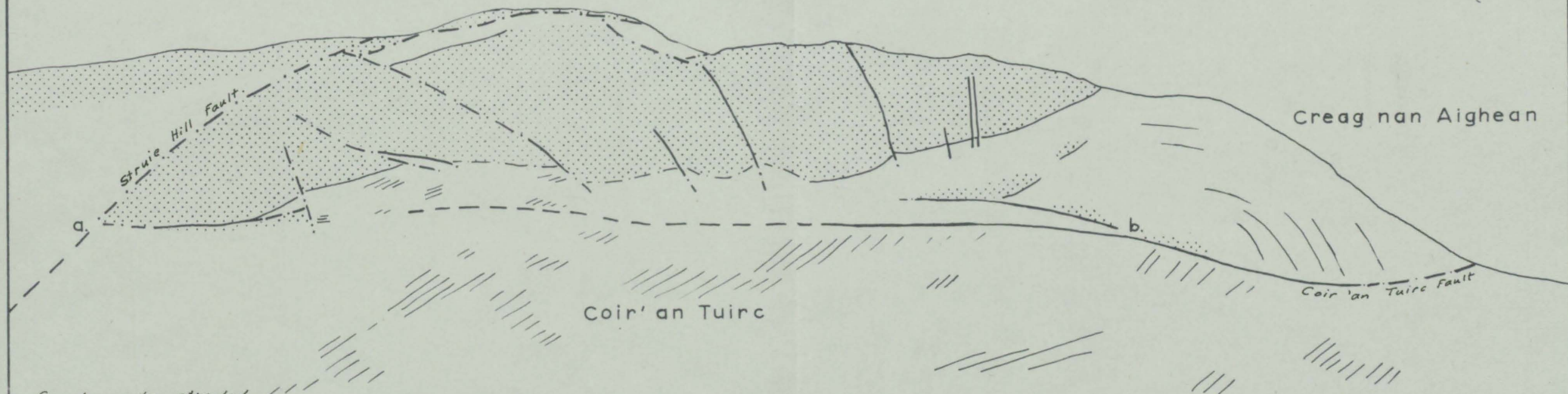


one mile.

FAULTING IN COIR' AN TUIRC.



STRUIE HILL, SOUTHERN FACE.



Conglomerate stippled

Trend of flag outcrops shown.

Faults with solid line where exposed.

a-b - corresponds to a-b on Enclosure 13.

FAULTING ON THE WEST SIDE OF THE STRUIE HILL FAULT SOUTH OF STRUIE HILL

f - fault,
solid line where
exposed.

Green - outcrop of flags.

Pink - outcrop of conglomerate.

scale of yards
0 100

Crushed
flags

Contorted
flags

Exposure of
Fault Plane?
(surface bounding
conglomerate to E.
dips a little S. of
E. at 75°. Striations and
grooves pitch S.
at 40°).

Branch of Coir,
an Tuirc Fault?

