

MAP 2. METAMORPHIC ISOGRADS,
To accompany G.S.C. Paper

Black Island, Lake Winnipeg, Manitoba.

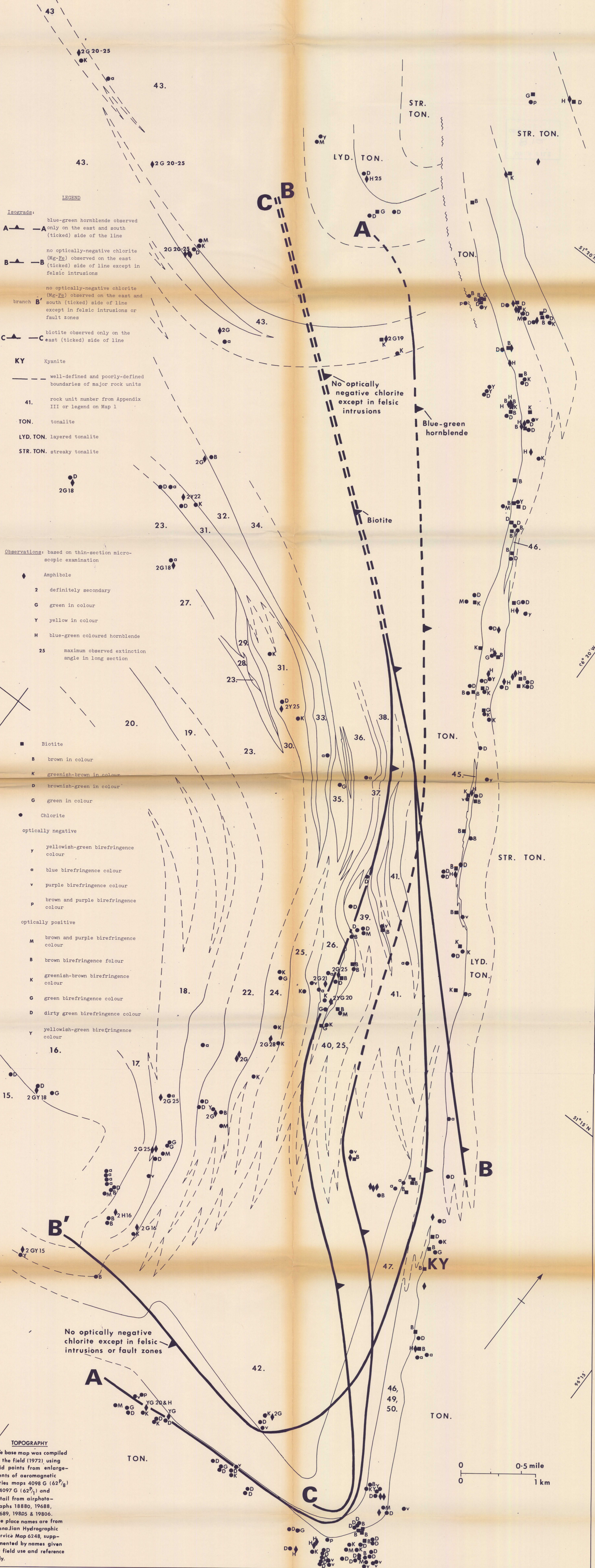
98° 25' W

51° 20' N

51° 20' N

51° 15' N

98° 15' W



LEGEND

Isograds:

A — blue-green hornblende observed only on the east and south (ticked) side of the line

B — no optically-negative chlorite (Mg-Fe) observed on the east (ticked) side of line except in felsic intrusions

B' — no optically-negative chlorite (Mg-Fe) observed on the east and south (ticked) side of line except in felsic intrusions or fault zones

C — biotite observed only on the east (ticked) side of line

KY Kyanite

— well-defined and poorly-defined boundaries of major rock units

41. rock unit number from Appendix III or legend on Map 1

TON. tonalite

LYD. TON. layered tonalite

STR. TON. streaky tonalite

Observations: based on thin-section microscopic examination

♦ Amphibole

2 definitely secondary

G green in colour

Y yellow in colour

H blue-green coloured hornblende

25 maximum observed extinction angle in long section

■ Biotite

B brown in colour

K greenish-brown in colour

D brownish-green in colour

G green in colour

● Chlorite

optically negative

y yellowish-green birefringence colour

a blue birefringence colour

v purple birefringence colour

p brown and purple birefringence colour

optically positive

M brown and purple birefringence colour

B brown birefringence colour

K greenish-brown birefringence colour

G green birefringence colour

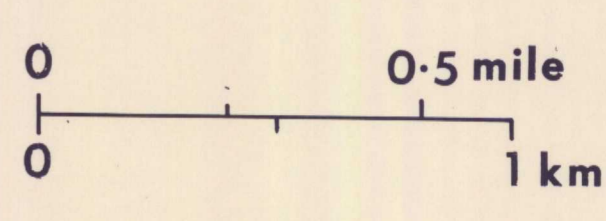
D dirty green birefringence colour

y yellowish-green birefringence colour

TOPOGRAPHY

The base map was compiled in the field (1972) using grid points from enlargements of aeromagnetic series maps 4098 G (62¹/₄) & 4097 G (62¹/₄) and detail from airphotographs 18880, 19688, 19689, 19805 & 19806.

The place names are from Canadian Hydrographic Service Map 6248, supplemented by names given for field use and reference only.



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