

LEGEND

- Dykes of olivine-bearing diabase
- KILLARNEAN BATHOLITHIC INTRUSIVES**
- 4e Nepheline and associated syenites: unspikite, lithcheldite, etc.
- 4d Garnetiferous syenite
- 4c Diorite
- 4b Pink and grey granites and quartz-syenites, some equigranular and others porphyritic
- 4a Stratiform mixture of pink and grey paragneisses and orthogneisses. The orthogneisses are closely related to 4b above; the paragneisses are, in considerable part at least, metamorphosed equivalents of the Huronian formations. Proportion of orthogneisses is less than in corresponding division in the adjacent Panache and Collins Inlet quadrangles.
- BASIC INTRUSIVES**
- 3 Dykes and other small bodies of quartz diabase, metamorphosed
- COBALT SERIES**
- Co 2 LORRAIN QUARTZITE  
Highly metamorphosed and recrystallized quartzite, well bedded and conglomeratic in places
- Co 1 GOWGANDA FORMATION  
Grey and pink paragneisses, and conglomerates
- BRUCE SERIES**
- B5 SERPENT FORMATION  
White quartzite interbedded with conglomerate which is altered to stratiform gneiss in many places
- B4 ESPANOLA FORMATION  
Biotite and garnet gneiss in thin layers, bedded gneisses and some amphibolites
- UNDIFFERENTIATED**
- U3 Amphibolites
- U2 Quartzites
- U1 Biotite, garnet, and hornblende gneisses, highly quartzitic pink gneisses, and other paragneisses

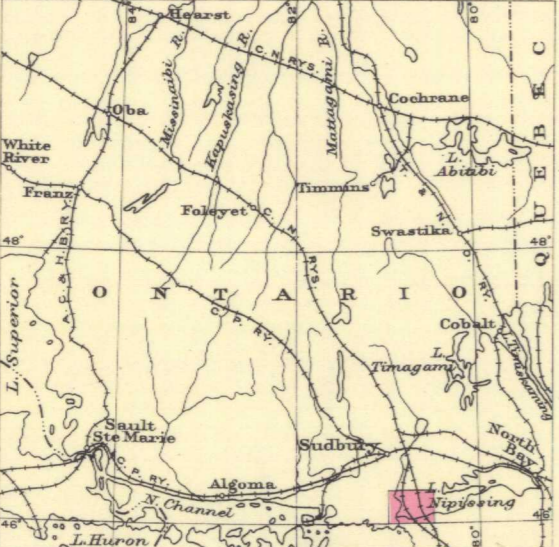
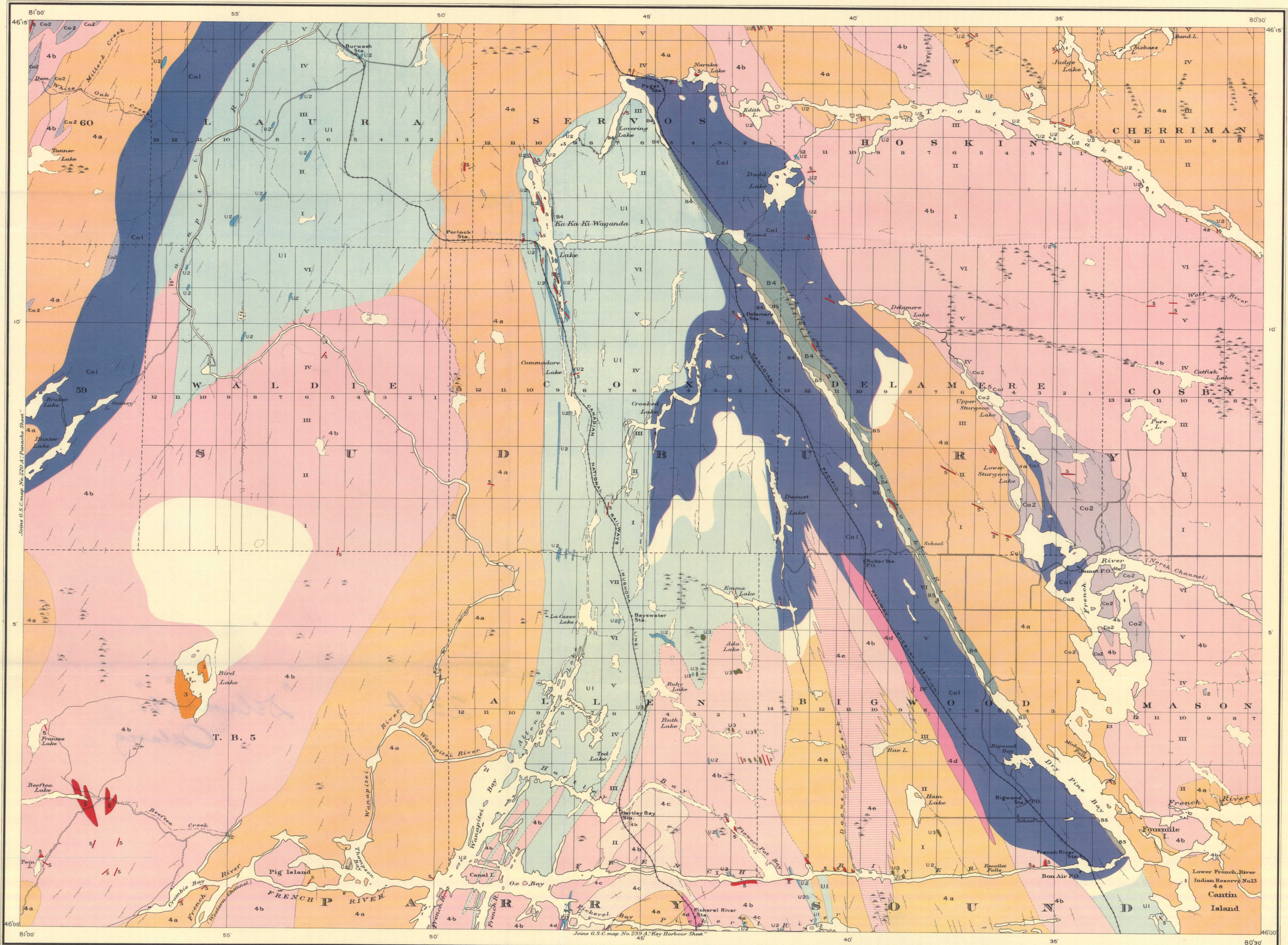
NOTE:—The sedimentary rocks, with the exception of some bodies of quartzite, are so profoundly metamorphosed to paragneisses that they bear little resemblance to the much less metamorphosed sediments that underlie the northwestern part of the adjacent Panache quadrangle.

- Geological boundary (defined)
- Geological boundary (approximate)
- Geological boundary (assumed)
- Strike and dip
- Vertical strata
- Horizontal strata
- Road and buildings
- Road not well travelled
- Bush road, trail or portage
- Rapid or fall

Approximate magnetic declination 7°, West.

**SOURCES OF INFORMATION**  
Geology by T. T. Quirk, 1924-25, and R. H. Pegrum, 1926.  
Surveys by E. E. Freeland, 1924, A. G. Haultain, 1925-27, T. T. Quirk, 1924-25, R. H. Pegrum, 1926, and the Department of Lands and Forests, Ontario.  
Geographical position subject to slight revision.

To accompany Memoir by T. T. Quirk



MAP 238 A  
**DELAMERE SHEET**  
SUDBURY AND PARRY SOUND DISTRICTS  
ONTARIO

Scale, 63360 or 1 Inch to 1 Mile  
Miles  
Kilometres

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