

GEOLOGICAL SURVEY

Centre line of township

PROTEROZOIC

ARCHAEO

LEGEND

- 21 Diabase
- 19 19a, green trachytic porphyry; 19b, granodiorite; 19c, diorite
- 16 Feldspar porphyry
- Diorite
- KEEWATIN
- 10 Greywacke, mainly biotite phase; 10a, greywacke, mainly fine-grained chlorite-sericite-biotite phase
- 9 Fine- to coarse-grained andesite; some tuff, may include diorite; 9a, tuff, rhyolite tuff; some lava; 9b, diorite or coarse phases of andesite; 9d, recrystallized andesite, amphibolite
- 8 Massive, pillowed and fragmental trachyte and andesite; 8h, agglomerate, tuff, intermediate lava, minor rhyolite; 8i, spherulitic lava
- Spherulitic lava

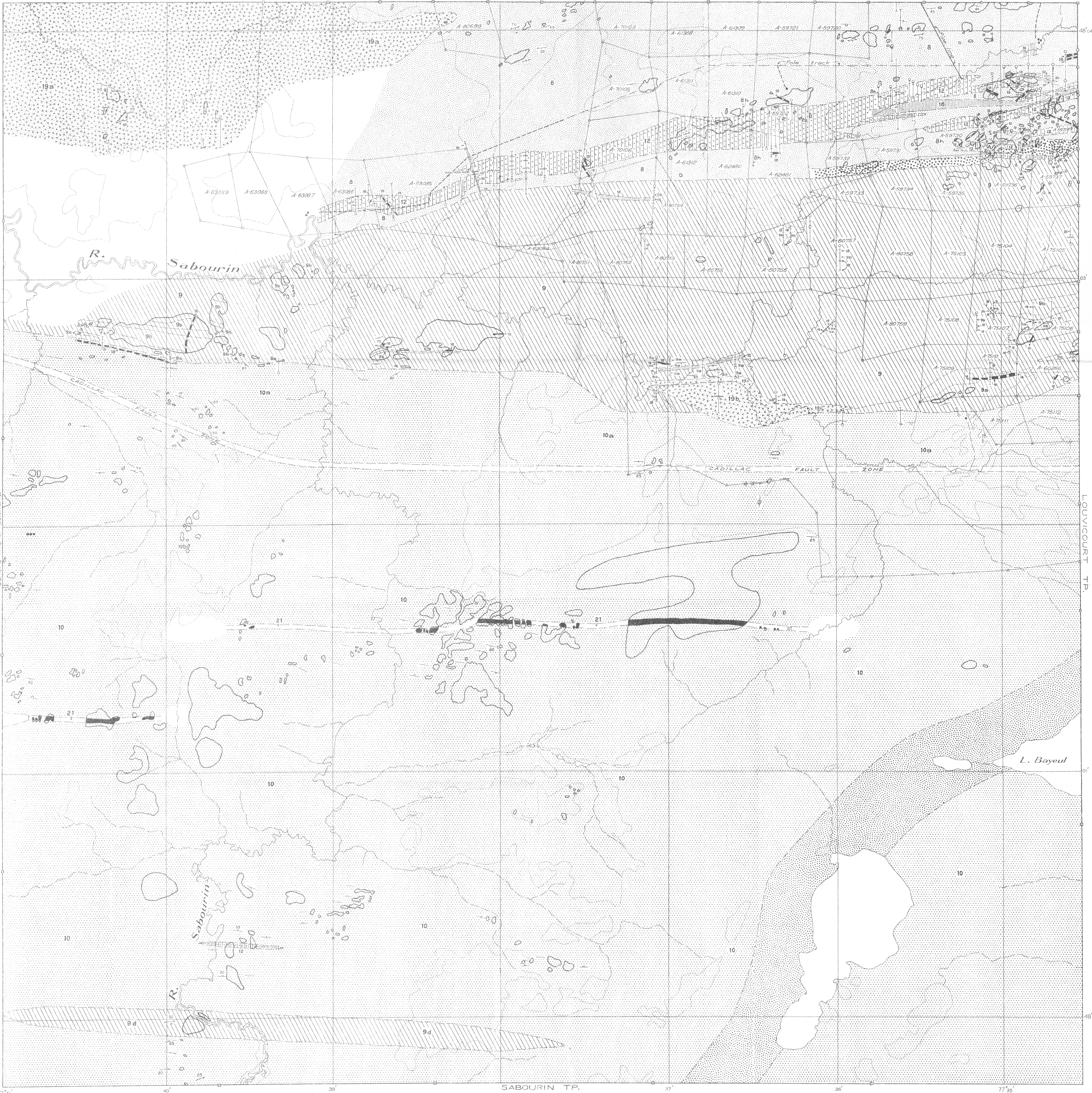
- Sand
- Rock outcrop
- Bedding (inclined, vertical, dip unknown)
- Bedding (direction of dip known, upper side of bed unknown)
- Bedding (upper side of bed faces as indicated, direction of dip unknown)
- Schistosity (inclined, vertical, dip unknown)
- Shear zone, fault
- Glacial striae
- Drill hole (inclined)

Geology by G. W. H. Norman, 1942, 1945.

NOTE 1. An attempt has been made to set up a uniform system of rock classification for Duboussin, Bourlamaque, and adjoining townships by dividing the rocks into 21 map-units, which will not all occur in any one quarter-township. Use of the group terms Cadillac, Blake River, Keweenaw, and Molokai is discontinued because they accentuate the problem of lithological correlation and involve several structural assumptions that cannot be proved. Instead the terms Timiskaming and Keweenaw (Abitibi) will be employed with the assumption that the unconformity between these rock series in the Rouyn district also occurs in the eastern part of the Rouyn-Val d'Or gold belt, but without assuming any time equivalences of the rocks either above or below the unconformity with those of other districts.

The intrusive rocks of the region are believed to belong to three main groups. The oldest group (12, 14, 15, 16), comprising diorite, peridotite, diorite porphyries, and sodic granodiorite, may be in part pre-Timiskaming. The syenite, granodiorite (19) and granite-granodiorite group (20) are post-Timiskaming and probably pre-Cobalt. A syenite-granodiorite group (similar to 19) is cut by pegmatite of a granite-granodiorite group (similar to 20) in LaMotte township, 20 miles northwest of Val d'Or. The felspar porphyries are of several different ages and types, most of which are allied either to the syenite-granodiorite or granite-granodiorite groups; a few belong to the oldest group.

- Trail
- Marsh



PRELIMINARY MAP 46-18  
SOUTHEAST BOURLAMAQUE  
ABITIBI COUNTY  
QUEBEC

Scale: 1 inch to 1000 feet



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