

**MINERAL OCCURRENCES**

Copper ..... Cu

Zinc ..... Zn

Gold ..... Au

Silver ..... Ag

Lead ..... Pb

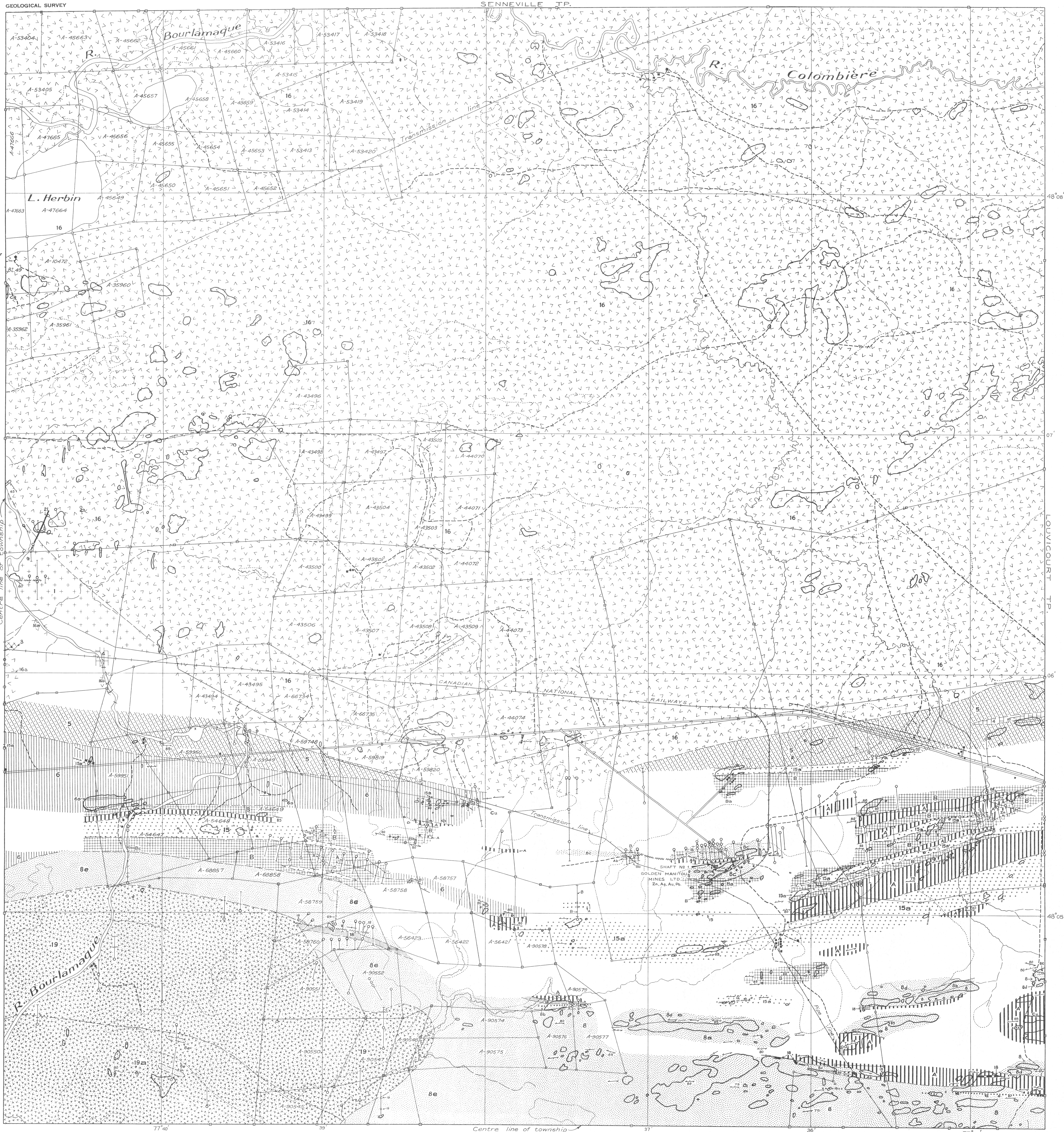
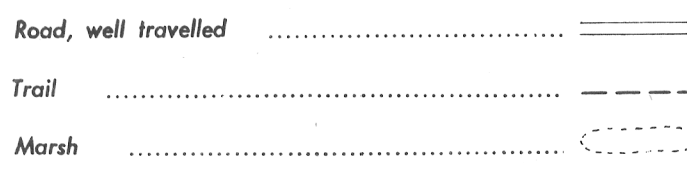
Geology by G. W. H. Norman, 1942, 1945.

NOTE 1. An attempt has been made to set up a uniform system of rock classification for Dubouison, 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, Kawagami, and Malartic is discontinued because they accentuate the problem of lithological correlation and involve several structural assumptions that cannot be proved. Instead the terms Timiskaming and Keewatin (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 line 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 -adic 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 La Motte township, 20 miles northwest of Val d'Or. The feldspar 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.

NOTE 2. The recognizable tops of massive volcanic rocks in ranges VI and VII face south, but are interspersed with wide zones of intensely sheared rock. The repetition of similar rocks on either side of the sheared zones suggests that these contain large faults, but the repetitions may be in part due to folding. Map-unit 8 contains rocks similar to those of units 3, 4, 5, and 6, and is probably a repetition of these units.



PRELIMINARY MAP 46-16  
**NORTHEAST BOURLAMAQUE**  
ABITIBI COUNTY  
QUEBEC  
Scale: 1 inch to 1000 feet

Surveyed and compiled by the Topographical Survey.  
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