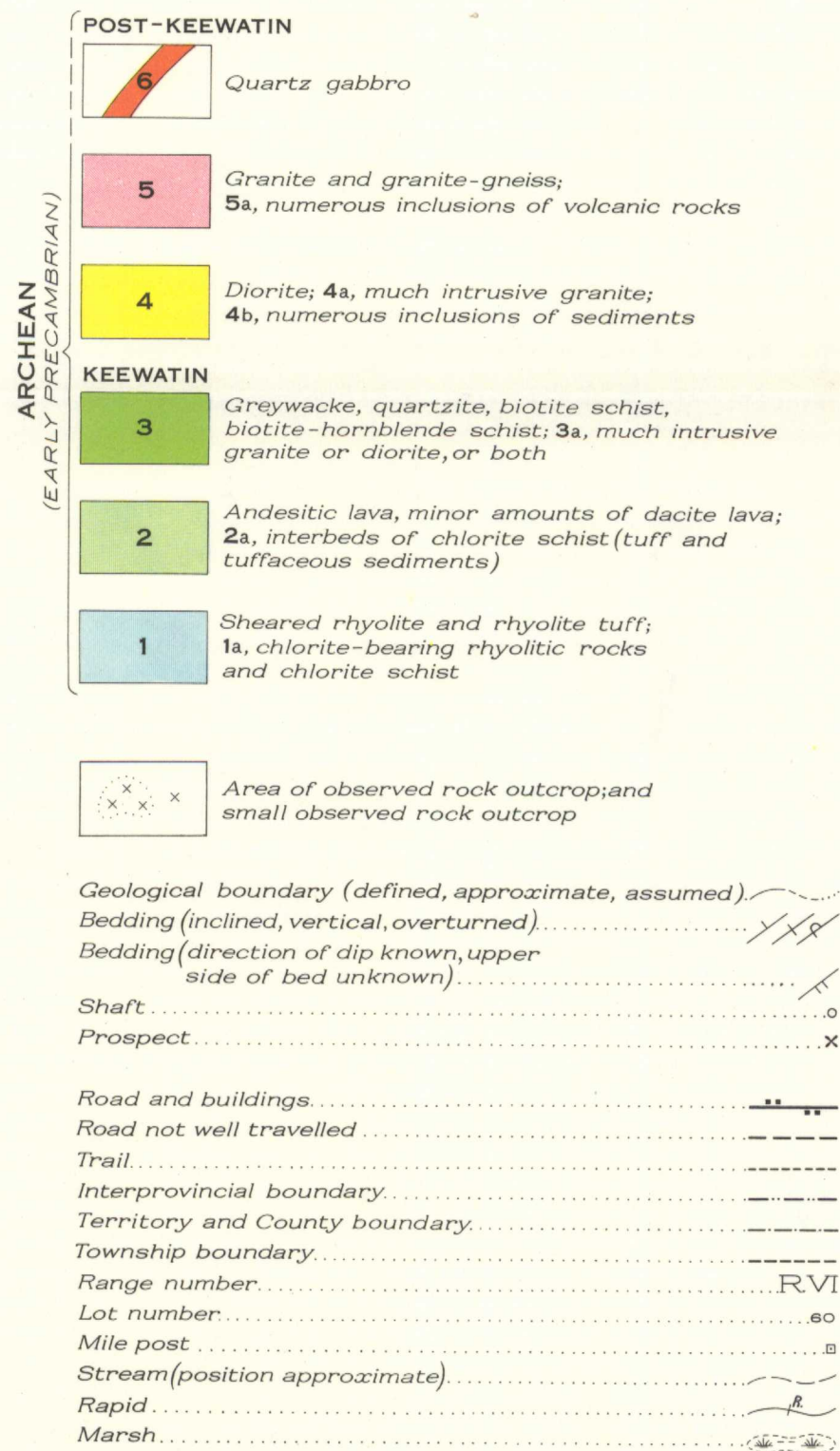


## LEGEND



Base-map compiled by the Topographical Survey from  
aerial photographs, and from information supplied by  
the Quebec Department of Lands and Forests.

Geology by G. F. Flaherty, 1936.

## GENERAL GEOLOGY

The rhyolite and rhyolite tuff (1) are light coloured rocks most of which  
have been greatly sheared. They are for the most part fine-grained and  
rich in quartz; in a few places they are chert-like. Some varieties hold  
larger grains of quartz or quartz and feldspar (phenocrysts?). In places  
the rhyolitic rocks carry considerable chlorite or are interleaved with  
bands of chlorite schist.

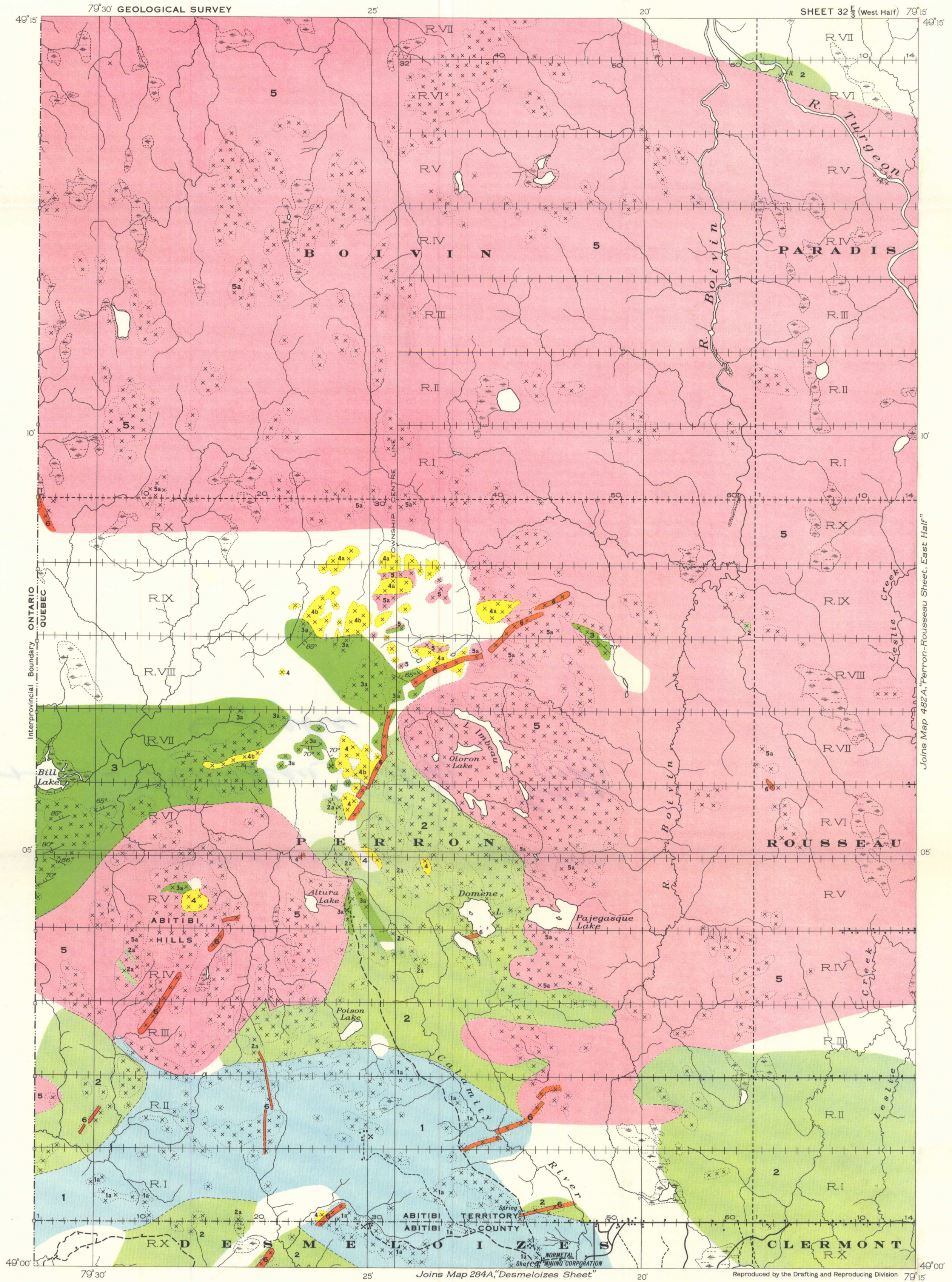
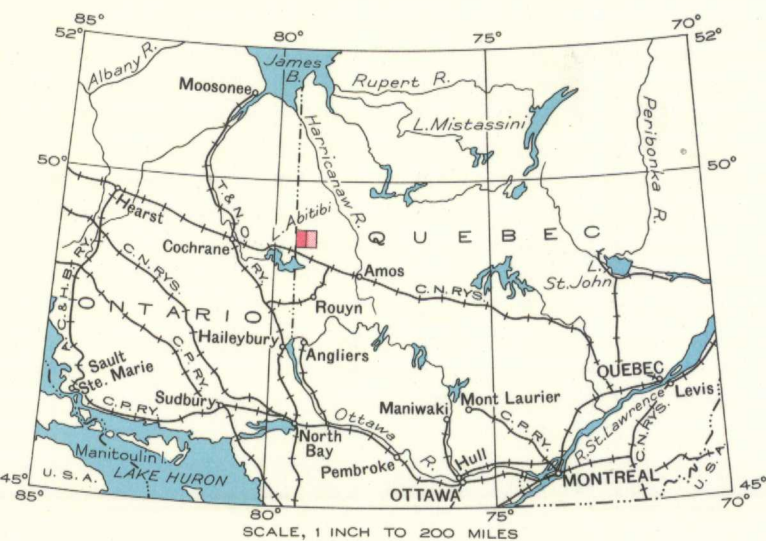
The andesitic lavas (2) are dark coloured rocks many of which exhibit  
pillow structures. In places the flow rocks are accompanied by fine-  
grained, banded, chlorite schists presumably representing tuffs or  
tuffaceous sediments.

The greywacke of the sedimentary group (3) is thinly banded. The  
quartzite occurs in massive bands from 3 to 25 feet thick and thicker; in  
some places the quartzite grades along the strike into conglomerates.  
The sediments for the most part are represented by banded, in places  
garnetiferous, biotite and biotite-hornblende schists or gneisses, some  
of which hold much magnetite.

The diorite (4) occurs principally near the contact of the granites (5)  
with the sediments (3) and basic volcanics (2). It is massive, fine-grained  
rich in amphibole. The granitic rocks (5) are younger than the diorite.  
Some are granites but most are granite gneisses. They carry biotite  
or hornblende or both these minerals.

## ECONOMIC GEOLOGY

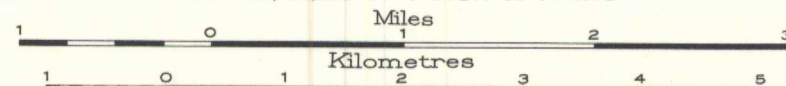
Free gold has been found in narrow discontinuous quartz veins dis-  
tributed along a zone of shearing in Keewatin volcanic rocks in Des-  
meloizes township. Molybdenite occurs in a quartz vein, 12 to 25 feet  
wide, in Perron township. Replacement deposits consisting essentially  
of sulphides of copper and zinc with pyrite, occur in Keewatin volcanic  
rocks in Perron township.



## MAP 483A PERRON-ROUSSEAU SHEET (WEST HALF)

ABITIBI TERRITORY AND ABITIBI COUNTY  
QUEBEC

Scale, 1:62,500 or 1 inch to 1 mile



Approximate magnetic declination, 14° West.

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