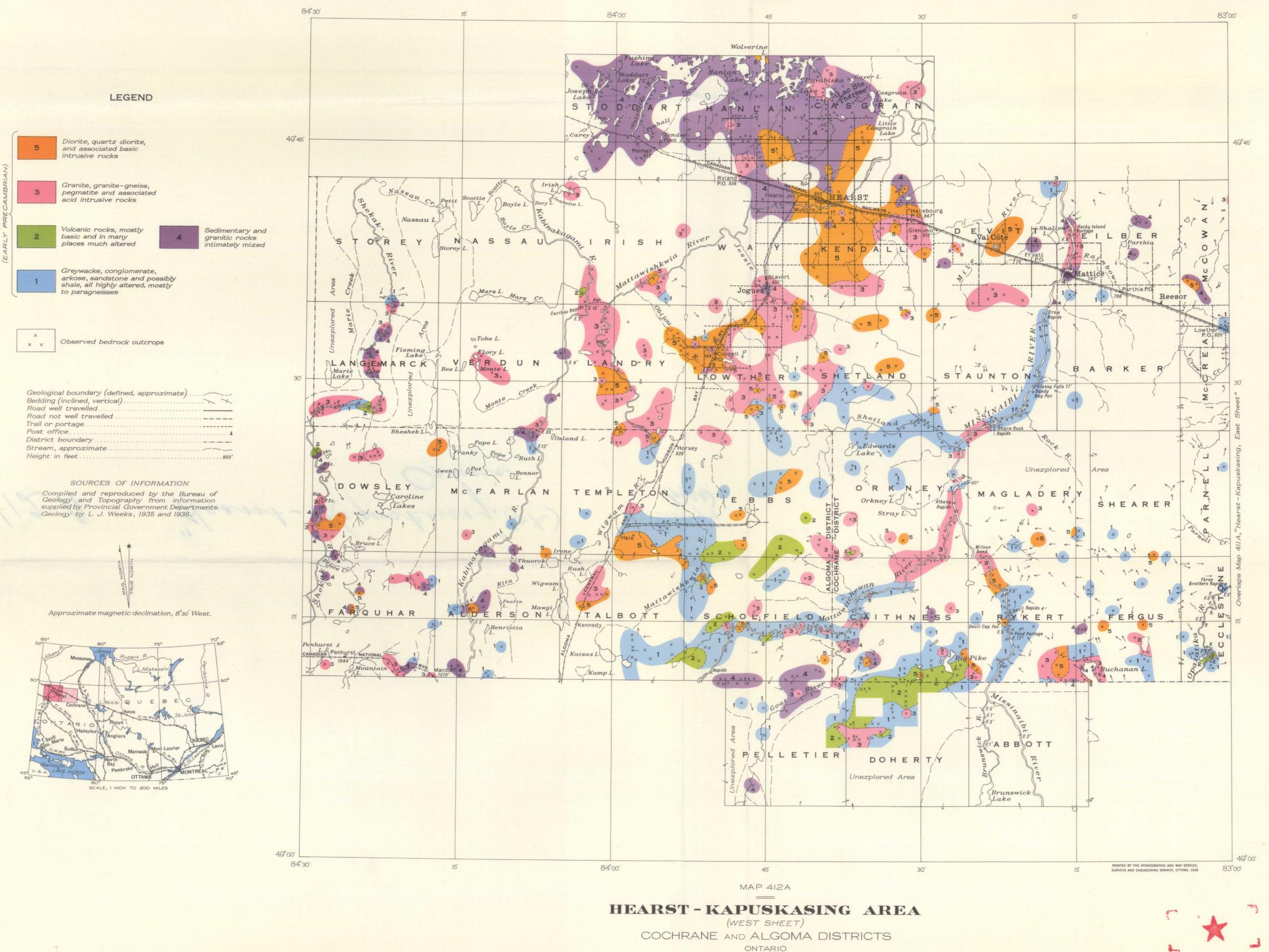
DEPARTMENT OF MINES AND RESOURCES
HON.T.A.CRERAR, MINISTER: CHARLES CAMSELL, DEPUTY MINISTER

MINES AND GEOLOGY BRANCH
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BUREAU OF GEOLOGY AND TOPOGRAPHY
F.C.C.LYNCH, CHIEF

ISSUED 1938

Scale, 253,440 or I Inch to 4 Miles



DESCRIPTIVE NOTES

The country is a plain underlain by muskeg and clay with a few gravel ridges. Outcrops of bedrock are scarce and in some localities are almost lacking.

The area is underlain by groups of sedimentary (1) and volcanic (2) rocks invaded by granitic rocks (3) and by, youngest of all, dioritic rocks (5). All are of Precambrian, presumably Archean age. The volcanic rocks resemble those called Keewatin in neighbouring districts and presumably are of that age. Their relations with the sedimentary rocks is unknown but it is thought that the sediments are the older.

The sedimentary rocks (1) are now largely hornblende-mical and microscopics.

The sedimentary rocks (1) are now largely hornblende-mica gneisses many of which are garnetiferous, and mica schists. They appear to have been sandstones and greywackes with some shales. Intrusive granitic rocks are everywhere associated with the sediments though in some areas they are represented only by small pegmatite and aplite dykes. In some areas the sediments and intrusives form an intricate mixture (4) and both types have lost their main characteristics. Much of the intrusive matter in such areas is pegmatitic. In other areas mapped as underlain by division 4, the two classes of rocks occur in about

equal volume, each forming sharply defined, small bodies.

The volcanic rocks (2) are generally dark coloured because of an extensive development of chlorite. Some fine grained, schistose chloritic rocks possibly were tuffs; no breccias were observed. The volcanic rocks are intruded by the granitic rocks but not in the intimate fashion exhibited by the sediments.

The granitic rocks (3) are mainly granite and granite-gneiss. Granite porphyry was seen in two localities and probably occurs elsewhere. The dioritic rocks (5), believed to be the youngest of the Precambrian assemblage, are widely distributed in the form of small, irregular masses and a few, large bodies. The diorite is massive, unfractured, and the least altered of all the rocks.

Some prospecting has been done and occurrences of sulphide mineralization carrying gold have been reported. A vein carrying free gold is said to occur in Staunton township, near Missinaibi river.

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