

The quadrangle is in the "Bear-Steve District", a physiographic area characterized by gently rolling undulating hills and valleys...

All the consolidated rocks in the quadrangle are of Archean age. The most abundant rock type is gneiss...

Little geological work has been done in the area and the only published geological map is a scale of one inch to eight miles...

The High Lake area is of considerable importance because of the high proportion of felsic volcanic rocks and the presence of a variety of igneous rocks...

Altered mafic rocks (10) and (11) were noted in the altered zone of the High Lake area...

In some outcrops an irregular pattern of small subvolcanic intrusions of the mafic rocks is well developed...

Some of the mafic rocks (12) and (13) are well developed in the altered zone of the High Lake area...

Basalt and dark grey gabbro to argillaceous silt (14) occurs as small units in some outcrops...

Altered gneiss (15) was noted along some granitic contacts and in places fine grained gneiss occurs...

Thin layers of siliceous (16) and calcareous (17) occur in the mafic rocks...

In the immediate area of the High Lake copper deposit (18), the volcanic rocks are intensely altered...

Some of the mafic rocks (19) are generally light grey to pinkish and very fine grained...

Basaltic rocks (20) are well developed in the altered zone of the High Lake area...

Diabase dykes are well developed in the High Lake area. Volcanically most important are those of the High Lake group...

The general structure of the High Lake area appears to be relatively simple on first examination...

Some of the mafic rocks (21) are well developed in the altered zone of the High Lake area...

Basaltic rocks (22) are well developed in the altered zone of the High Lake area...

Diabase dykes are well developed in the High Lake area. Volcanically most important are those of the High Lake group...

The general structure of the High Lake area appears to be relatively simple on first examination...

Some of the mafic rocks (23) are well developed in the altered zone of the High Lake area...

Basaltic rocks (24) are well developed in the altered zone of the High Lake area...

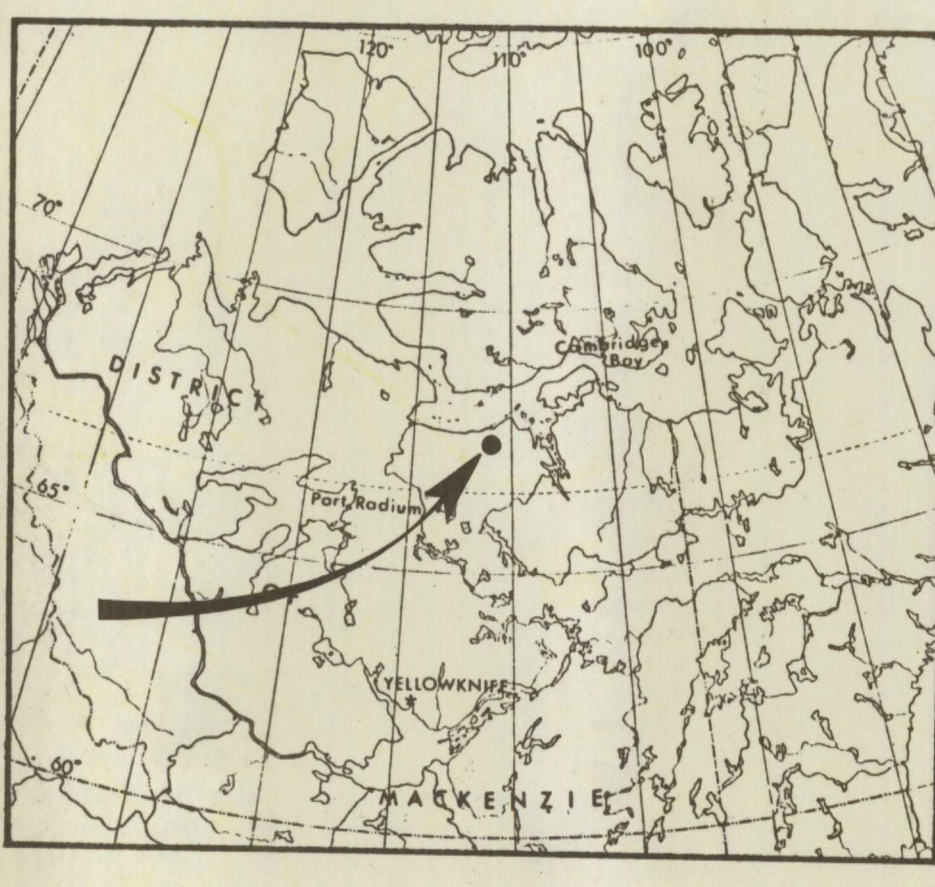
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LEGEND table with 13 numbered entries describing geological features like Dikes, Gneiss, Metasediments, and Volcanic Rocks.

SYMBOLS table with 13 numbered entries describing geological symbols like Contacts, Faults, and Dikes.

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GEOLOGY HIGH LAKE 76-M-7 DISTRICT OF MACKENZIE NORTHWEST TERRITORIES SCALE 1:316,800 ECHELLE

