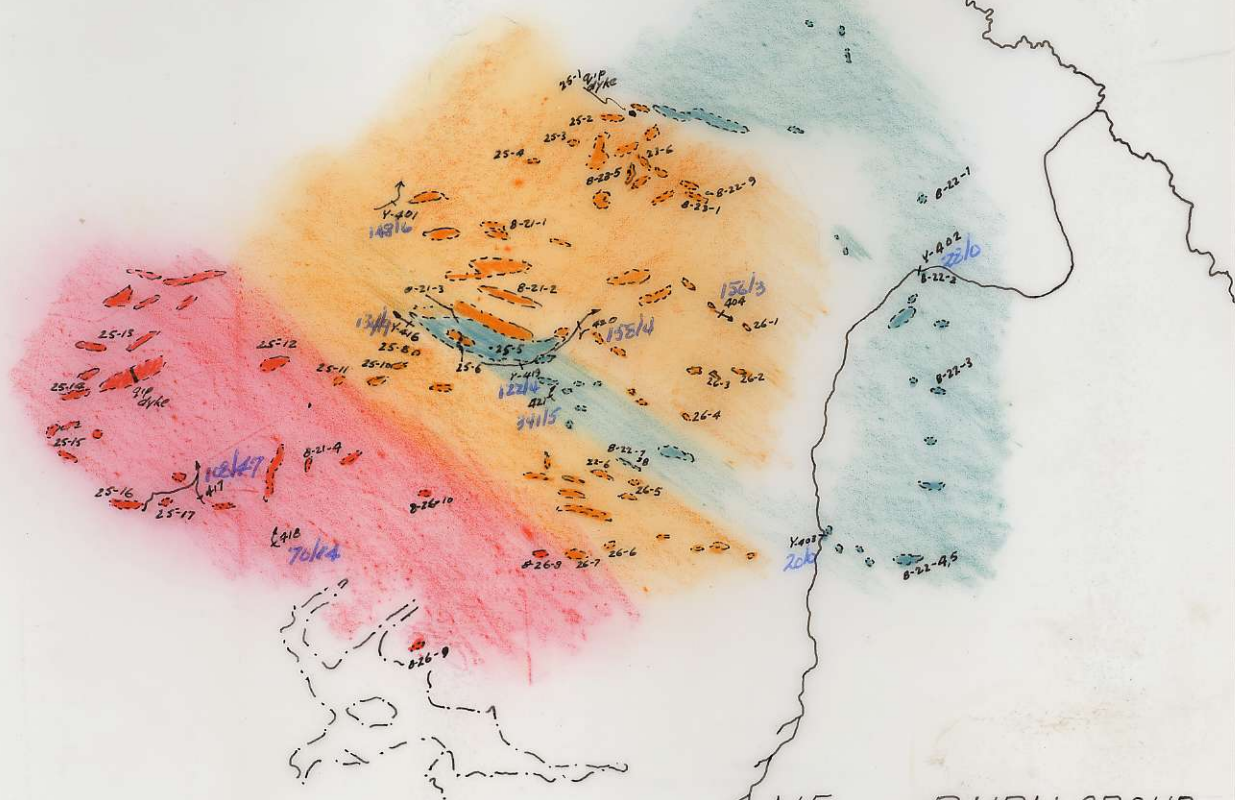


BC 2055:100



NE. of BURN GROUP

Outcrop Distribution

LEGEND.

■ coarse-grained monzonite, with; inclusions of volcanic rock, areas of intermingled coarse-gr. monzonite and andesite-diorite, areas of monzonite-matrix breccia.

■ medium- to coarse-grained of the above with less intermingled volcanics

■ volcanics; mainly pyroxene feldspar andesite porphyries, with minor tuffs.

qip grey felspar-quartz porphyry dyke.

*Cactus

674087

Notes to Accompany Air-Photo Overlay
for N.E. of BURN GROUP
Mapping Job.

Aug 27th 1971

Two main rock ~~types~~^{units} are exposed in the area. The more abundant is a grey-pink monzonite which varies in texture. The second rock unit is a series of volcanics, mainly dark green pyroxene, feldspar andesite porphyries.

The first unit is divided into two units in the accompanying map. The contact area indicated is broad and gradational and the division was made about the point where approximately half of the mafic ~~constituents~~^{constituents} of the rock was coarse grained ($>4\text{mm}$ is large dimension). The coarse grained ~~sub-unit~~ contains intermingled intermediate volcanic rocks and in general ~~this unit~~ is less homogeneous in texture than the monzonite to the north east. Both sub-units contain volcanic xenoliths which are generally rounded and are often feldspar porphyry andesite.

Sanding in the monzonite is strong and there are occasional zones of intense fracturing. In these well fractured areas chalcopyrite was found. In the area about B-25-14 chalcopyrite and pyrite were found while in the area about B-5 only chalcopyrite occurs. In the first area chalcopyrite and pyrite were found in fractures, in veinlets and as blebs but the occurrences were scattered. The chalcopyrite in the second area ~~was~~ less spectacular than the first. It occurs as grains, always isolated, and never approached a measurable percentage of the rock. The chalcopyrite occurrences were scattered and blotchy.

The only sulphide found in the volcanics was pyrite and this occurs in fractures and as disseminated blebs.