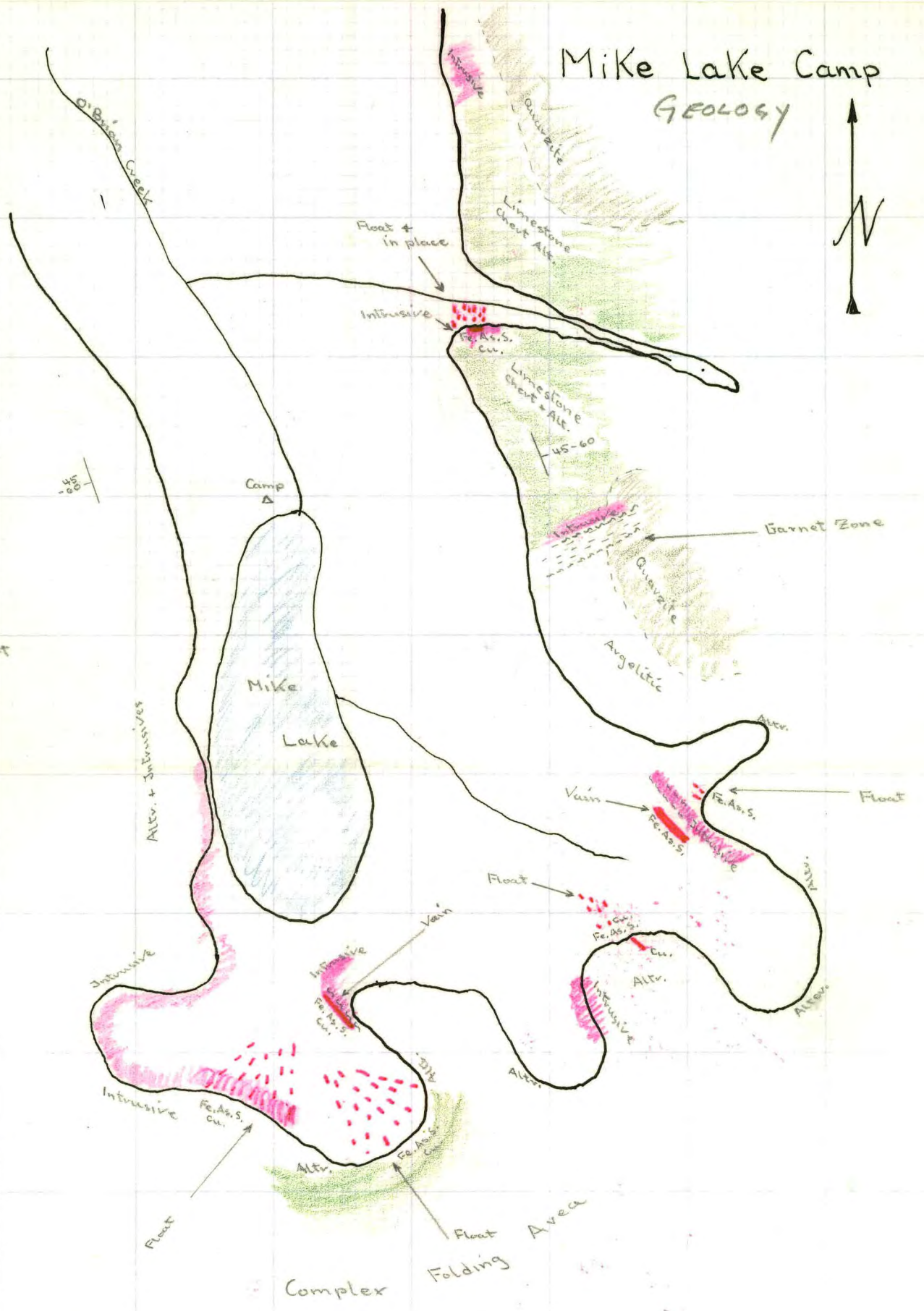


Mike Lake Camp GEOLOGY



- Limest + Chert
- Quartzite
- Vein
- Flout
- Intrusive



Scale Approx. 1 in = 1/2 mile
 G. Lishy 012663
 116A5

G. Lishy

Mike Lake Camp.

Gen. Geol.

Three distinct stratas of rocks of different colours are prominent in this area. The sequence starts at valley bottom with a deep rusty rock fairly mineralized with Pyrrhotite and usually black at a fresh break. The next overlying rock appears as very light grey colored consisting in general of limestone, some Dolomite, Quarzitic sections and Cherts. The third topping sequence consists of Quarzite with conspicuous black lichen covering. The rusty bottom strata seems to be not of a different rock type but the equivalent of the light grey rock which only under went a higher degree of metamorphism.

Small stock-type intrusives of Syenite appear at the south end of Mike Lake and dike or sill type intrusions appear throughout the area. The small dikes often show a very rusty weathering at zones closest to the invaded country rock and light Arseno Pyrite mineralisation. Minerals of the Garnet Group and Hornfelsic alteration also occur in these contact zones. The areas invaded by stocks show spectacular examples of faulting as well as folding and shearing. The area most mineralized includes the cirque immediately south of Mike Lake.

Mineralisation

The mineralisation encountered is Arseno Pyrite, Chalcocite and Pyrrhotite with supposedly low values in Gold. Zinc and Galena as reported by other parties where nowhere encountered. Noteworthy is a shear or fault in the Syenite little above lake head which strikes uphill in a south easterly direction and dips vertical. Traceable for approximately 200 feet and terminating at contact of the overlying metamorphic rock. The low up-hill cliff like wall is distinguished by a slight pink colour. Quarz crustings and slight different granular texture of grain. Wall-rock mineralisation of Chalcocite and Arseno Pyrite can be traced along this cliff structure with gossanous material and heavy oxidized float of disseminated minerals lying in the overburden beneath it. An other showing of Arseno Pyrite outcrops approximately $\frac{3}{4}$ mile east of the lake in the valley bottom with float and gossan material covering a strip of approx. 15' x 200'. Only one outcrop is visible measuring about two feet in thickness of compact but heavily leached mineral.

Since outcrops of Syenite appear nearby it can be assumed that this is the host rock. Numerous float of Chalco and Arseno Arsite was also found in talus in the general area prospected, although most of ^{its} sources could not be investigated due to inaccessibility.

Staking: A group of over 30 claims have just previously been staked by Hart River Mines which is headed by Alex Briden who formerly represented Ventures Mining Ltd of Vancouver. Information gathered from the stakers indicated that the very rusty Pyrrhotitic rock is the reason for their activity since it carries a certain percentage of Gold. One 6" vein of presumably solid Chalco still covered by snow was also reported by the crew.