Some Ores and Rocks of Southern Slocan. 295

district under consideration is composed of a granite having the following characters.

This granite is of a dark grey color and is composed of quartz, feldspars, biotite and hornblende, with a good deal of accessory sphene.

Its striking visible feature, however, is the occurrence in it of large crystals of impure orthoclase, giving it a porphyritic appearance. These crystals are usually a half to one inch long, and are commonly twinned parallel to the orthopinacoid. Small scales of biotite are scattered through the crystals, and the analysis, as here given, shows a good deal of lime and soda for an orthoclase.

SiO ₂	59.86
$Al_2 + Fe_2O_3$	20.26
K ₂ O	12.39
Na_2O	5.76
Ca0	2.90
MgO	
Total	101.95

The lime is probably present as calcium carbonate. An analysis of the granite gave :—

SiO ₂	60.09
$\Lambda l_2 O_3 \dots \dots \dots$	17.20
Fe_2O_3	6.73
CaO ,	8.24
Na ₂ O	2.45
K ₂ O	6.23
MgO	•47
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Total	101.41

A microscopical examination of a specimen of this granite, taken from within a few f et of a quartz vein, was made by Dr. Adams. It was 'ound to be a crushed

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