

The chlorite has P green to pale yellow, AIC greenish-yellow on grey.

Identification and Discussion: A feldspar-phyric (?) rhyolitic lava. Note that there is no biotite or tourmaline, despite the suggested proximity of this specimen to granite.

F624 Outcrop: Pink intrusive porphyry with abundant quartz phenocrysts.

Primary Features: Phenocrysts of quartz, feldspar (probably K-feldspar), biotite, magnetite and what may have been ilmenite are set in a fine-grained equigranular groundmass consisting of quartz-feldspar, magnetite, biotite and secondary minerals. Accessory zircon is present. The quartz and magnetite phenocrysts are partially resorbed. Magnetite and rutile are associated in some cases.

Secondary Features: The feldspar phenocrysts are more than 50% replaced by sericite, secondary biotite and a little chlorite. Sericite and chlorite also occur in the groundmass. Limonite-stained rutile replaces phenocrysts which may have been ilmenite. The chlorite has P brownish-green to colourless; AIC slightly greenish grey.

2.10.4 Geochemistry

1. Adit Sampling

The main workings in grid area were chip sampled and assayed for Cu, Pb, Zn, S, Mn and Ag-Au fire assay. A total of 249 samples were collected. Sections showing mineralisation were randomly sampled over 2m intervals, unmineralised sections were sampled over intervals up to 10m. The major mineralised sections in the Jukes Pty. No. 1 adit (main drive 0-10m) and No. 3 adit (W. X-cut 0-12m) were sampled over 1m intervals. Coverage is given in Table 17 and assay results are given in Figure 65.

Significant mineralised sections are listed in Table 18. The highest assays from all adits were:

5.68% Cu	- Jukes Pty No. 2 adit, S.E. X-cut, 2-4m
58 g/t Ag	- Jukes Pty No. 2 adit, S.E. X-cut, 2-4m
5.0 g/t Au	- Jukes Pty No. 3 adit, H/W Drive, W wall, 4-6m
0.70% Pb	- Jukes Pty No. 2 adit, Main Drive, 158-160m
0.38% Zn	- Jukes Pty No. 2 adit, S.E. X-cut, 2-4m

2. Rock Chip and Soil Sampling

Because of the high proportion of outcrop, and steep slopes leading to downhill scree and soil movement, it was decided to undertake routine rock chip sampling at 20m intervals, of the Jukes Pty Grid, with soil sampling at pegs with no nearby outcrops. A total of 385 rock chip samples and 83 soil samples were taken (Table 19).