

**PETROGRAPHIC REPORT**

by C. L. Soux \_\_\_\_\_

For: Pundata Gold Corp.  
Project :  
Sample: BLO +50

Location : Likely, B.C.  
Collector :  
Date Analyzed : June 16, 1987

**ROCK CLASSIFICATION :**  
Altered Rhyolite or Trachyte Porphyry

**HAND SPECIMEN DESCRIPTION :**  
Light tan to white speckled altered volcanic rock. Contains large (up to 8mm.) crystals of pyrite with idiomorphic outlines.

**MICROSCOPIC ANALYSIS IN THIN SECTION**

Mineral	%	Description
K-Feldspar	8	Almost completely sericitized phenocrysts
Plagioclase (An-8)	4	Almost completely sericitized phenocrysts
Quartz	25	As phenocrysts with straight extinction and as alteration product
Sericite	45	Alteration product
Calcite	10	Specks up to 3mm. admixed with some limonite
Pyrite	5	Large crystals with idiomorphic outlines
Limonite	3	With calcite

**Rock textures/structures :**  
The rock is composed of K-Feldspar, plagioclase(An-8) and some quartz phenocrysts within an aphanitic groundmass presently composed almost entirely of sericite and some quartz. Feldspars are intensely altered to sericite.  
Specks of calcite, sometimes with idiomorphic outlines, are admixed with some limonite

**Protolith :**  
Rhyolite or Trachyte Porphyry  
(It is difficult to assess the original amount of quartz present in the sample)

**Alteration/mineralization :**  
The rock is silicified, carbonitized and intensely sericitized

**Conditions of formation :**  
Hydrothermally altered volcanic rock

**NOTE:** Rock names follow the classification and nomenclature recommended by the IUGS Subcommittee on Systematics of Igneous Rocks.

