

MINERALIZATION

Silicification - tourmalinization - brecciation

This a very restricted feature occurring only in porphyries located in the western part of the area, straddling the licence boundary. Alteration is most extensive at A6110 - rubble occurring over a 50 x 20 m area, this location is the only site where the country rock - porphyry has been brecciated and rock chips were anomalous .24 g/t Au. The breccia is composed of angular blocks which have been silicified, the interstitial material is fine grained quartz and tourmaline/chlorite. Minor limonitic specks and joints are considered to have formed after pyrite.

At A6159,61,62 alteration is restricted to joints, affecting only a few centimetres of country rock. At A6161 the porphyry has also been intensely chloritized A6483A (see table below).

This alteration is considered to have been generated by the Cambrian tonalite - microgranite intrusives.

ANALYSIS OF SILICA-TOURMALINE ALTERATION

Sample No.	Cu	Pb	Zn	Ag	Au	As	Sn	N	
A6110	80	160	110	x	.24	8	x	38	Brecciation
6159	30	125	55	x	x	11	x	28	Alteration joints only
6161	75	640	105	x	x	20	3	15	" " "
6162	5	65	25	x	x	8	x	59	" " "
6483	500	1000	190	5	-	x	-	-	Limonitic staining on joints
6483A	80	635	185	-	-	-	-	-	Intensely chloritized