

**MOUNT JOHNNY PROSPECT  
(104B/11E)**

**By T. G. Schroeter**

**INTRODUCTION**

On August 5th the writer made a brief visit to Skyline Exploration Ltd.'s Mount Johnny (Reg claims, MI 104B-77) massive sulphide property, which is located approximately 120 kilometres northwest of Stewart on the west flank of Mount Johnny (see Fig. 60). Access to the property, which consists of 172 units, is via helicopter from either Stewart or Eddontenajon.

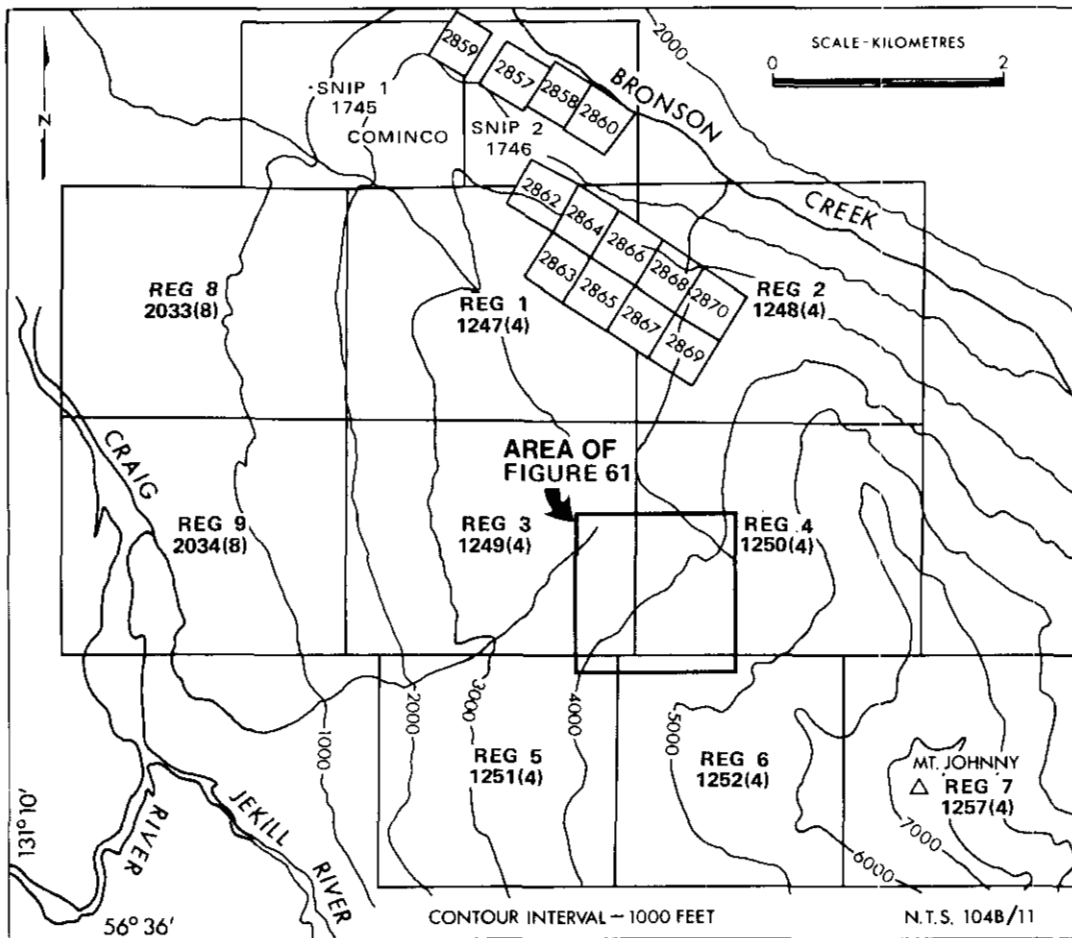


Figure 60. Location map, Mount Johnny prospect.

## GEOLOGY AND MINERALIZATION

The base of Mount Johnny is underlain by intercalated phyllitic grits, siltstone, and an andesitic-rhyolitic sequence of Early Jurassic age (Unuk River Formation ?). The volcanic sequence locally shows persistent autometamorphic textures. A sequence of lower Middle Jurassic rocks (Betty Creek Formation ?) overlies the Early Jurassic rocks but are devoid of significant mineralization.

Copper-gold massive sulphide mineralization has been located in three zones: Pick Axe, Cloutier, and McFadden (see Fig. 61). The Pick Axe and Cloutier zones are localized in a sequence of rhyolitic tuffaceous rocks. Mineralization consists of near massive chalcopyrite and pyrite in quartz-carbonate gangue.

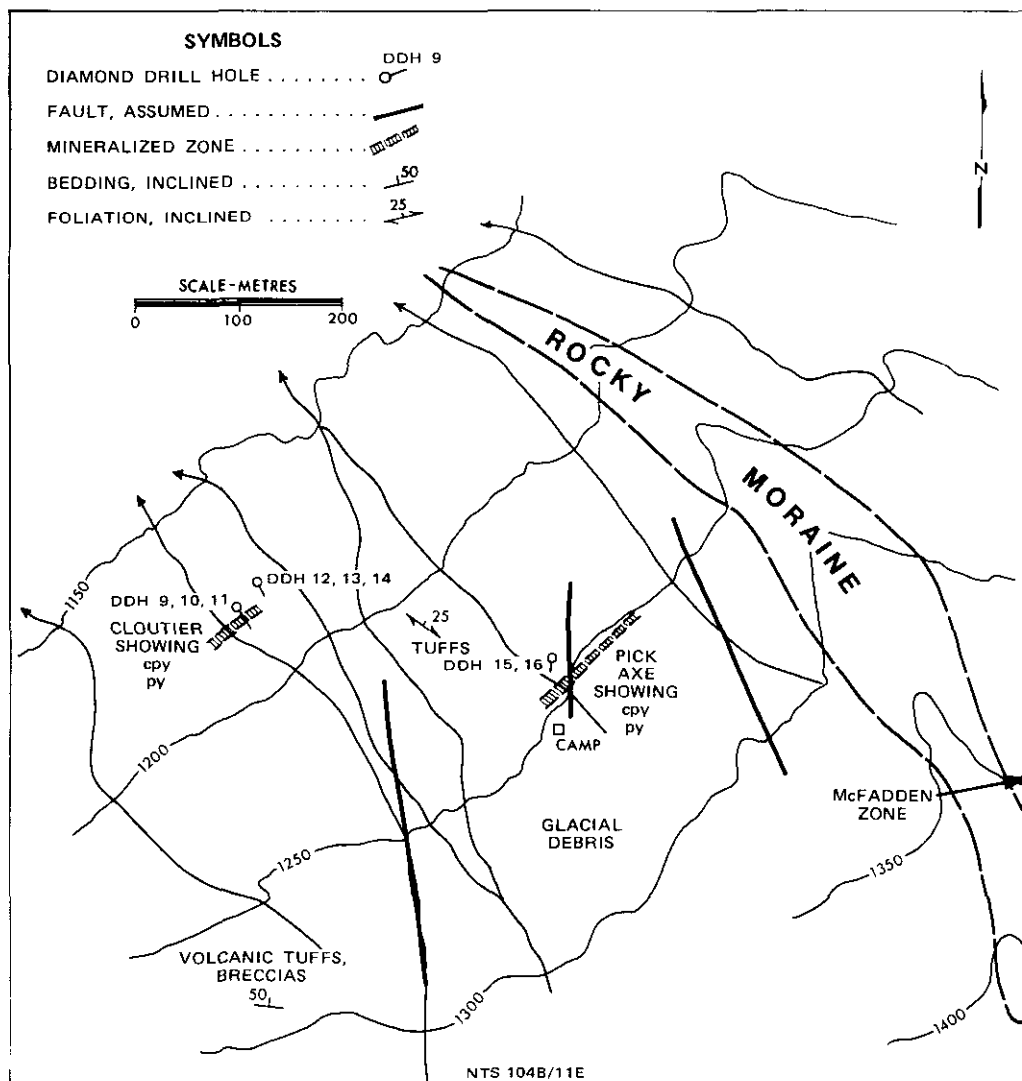


Figure 61. Mount Johnny prospect (Inset on Fig. 60) (based on company plans).

(1) Pick Axe Zone

Reportedly traced more than 1 000 metres, the zone has been confirmed by drilling along a length of 15 metres (George Cross News Letter, May 14, 1982). Assay results from grab samples collected by the writer are as follows:

Sample No.	Brief Description	Gold ppm	Silver ppm	Copper per cent	Lead per cent	Zinc per cent
JM-82-2	Massive chalcopyrite-pyrite	2	124	3.93	0.04	0.078
JM-82-3	Chalcopyrite-pyrite in quartz	2	90	3.57	0.02	0.078
JM-82-5	Chalcopyrite-pyrite in quartz	2.3	111	4.32	<0.02	0.043
JM-82-6	Chalcopyrite-pyrite in 'rhyolite'	0.7	255	3.42	<0.02	0.012
JM-82-8	Near massive pyrite and chalcopyrite	1	100	2.63	0.045	0.050

(2) Cloutier Zone

Apparently traced along a length of 490 metres (George Cross News Letter, May 14, 1982). Assay results for grab samples collected by the writer are as follows:

Sample No.	Brief Description	Gold ppm	Silver ppm	Copper per cent	Lead per cent	Zinc per cent
BJ-82-9	Chalcopyrite-pyrite in silicified tuff	1.7	19	1.37	0.03	0.03
BJ-82-11	Pyrite in silicified tuff	<1	<10	0.014	0.02	0.018
BJ-82-13	Near massive chalcopyrite-pyrite	2.3	19	2.1	<0.02	0.022
BJ-82-14	Chalcopyrite-pyrite in quartz	<1	35	5.40	<0.02	0.047
BJ-82-15	Near massive pyrite-chalcopyrite	3.4	140	6.50	<0.02	0.045
BJ-82-16	Massive pyrite-chalcopyrite	0.3	65	5.12	<0.02	0.017
BJ-82-17	Chalcopyrite-pyrite in quartz	0.3	45	4.15	<0.02	0.012

At the time of the writer's visit, drilling was in progress on diamond-drill hole 10. Diamond-drill hole 9 intersected a massive sulphide section from 35.8 to 38 metres.

(3) McFadden Zone

High-grade massive pyrite boulders were found in an area 245 metres by 45 metres (George Cross News Letter, May 14, 1982) that is located approximately 1 kilometre southeast of the Cloutier zone.

Diamond drilling exceeded 750 metres in eight holes, and geophysical surveys were carried out throughout the summer and fall. In mid-September, Placer Development Limited optioned the property from Skyline Explorations Ltd.