



# Ore Mineralogy Mitchell-Sulphurets Area

## AuAg Veins

887787

From: Don Harris  
(pers. comm.)  
Roundup '92

Zone	Major	Minor	Trace	Gangue	Secondary
North Spine	pyrite	tetrahedrite, galena sphalerite	polybasite, arsenopyrite pyrargyrite, native silver acanthite, chalcopyrite electrum	qtz veins in sericite-chlorite schist	
Electrum	pyrite	sphalerite, tetrahedrite arsenopyrite	chalcopyrite, galena pyrargyrite, electrum	qtz veins in sericite-chlorite schist	
Galena	sphalerite, galena pyrite				
Bielecki	polybasite, galena sphalerite	pyrargyrite, electrum	pyrite, tetrahedrite	silicified zone in sericite-chlorite schist	
 West	pyrite, tetrahedrite polybasite, sphalerite pyrargyrite	galena, native silver electrum	stephanite, acanthite chalcopyrite	silicified zone, qtz-feldspar veins in sericite-chlorite schist	
 Shore	pyrite, sphalerite tennantite-tetrahedrite galena	pearceite, proustite arsenopyrite	electrum, native silver chalcopyrite	silicified zone, qtz-barite veins in sericite-chlorite schist	
Golden Marmot	pyrite	arsenopyrite	chalcopyrite, electrum tetrahedrite, sphalerite	qtz veins in sericite- chlorite schist	
Hanging Glacier	pyrite, galena sphalerite	tetrahedrite	polybasite, pyrargyrite native silver, acanthite arsenopyrite	qtz-calcite-barite veins in sericite- chlorite schist	
Josephine	pyrite, tetrahedrite	pyrargyrite, galena sphalerite	electrum	qtz-feldspar veins in sericite-chlorite schist	

→ ~~Sulphurets~~  
Snowfield.

## Au Veins

Zone	Major	Minor	Trace	Gangue	Secondary
Golden Rocket	pyrite	sphalerite, tennantite arsenopyrite	electrum, proustite pearceite	silicified zone and qtz veins in sericite- chlorite schist	
<b>Iron Cap</b>	pyrite, chalcopyrite	sphalerite, tetrahedrite tennantite	molybdenite, hessite aikinite, electrum galena(Ag,Bi) tellurobismuthite	silicified zone and qtz veins in sericite- chlorite schist	malachite
Chibougamau	pyrite, chalcopyrite	electrum, sphalerite galena	tetrahedrite, gold	sericite-chlorite shear zone	
Ice Sculpture	pyrrhotite chalcopyrite	pyrite	sphalerite, electrum	altered breccia or conglomerate	

*Cu<sub>2</sub>PbBi<sub>2</sub>S<sub>3</sub>*

## Porphyry Cu (Au)

Montgomery (Main Cu Zone)	pyrite	chalcopyrite, tennantite	molybdenite, magnetite galena, sphalerite	altered monzonite	
<b>Sulphurets Gold</b>	chalcopyrite	pyrite, molybdenite	tennantite, sphalerite gold, galena	bulk-tonnage Au(Cu,Mo) altered and intrusive rocks	
<b>Kerr B &amp; A</b>	pyrite, chalcopyrite tennantite	bornite, <u>enargite</u> sphalerite, galena	chalcocite, <u>colusite</u> gold, pyrargyrite <u>hessite</u> , native silver <u>altaite</u>	porphyry Cu in sericite- chlorite schist with anhydrite in places	Cu, Cu-S, limonite gypsum, malachite kribergite, sasaite
Kerr C	pyrite, pyrrhotite	chalcopyrite	molybdenite, tennantite	unaltered volcanics	<i>PO phosphates</i>
<b>Ostensoe Bornite</b>	pyrite, chalcopyrite	bornite, magnetite tetrahedrite	hematite, gold <u>merenskyite</u> , <u>clausthalite</u>	altered monzonite	malachite

*PdPtBiTe     PbSe*

**Ag Veins**

<b>Zone</b>	<b>Major</b>	<b>Minor</b>	<b>Trace</b>	<b>Gangue</b>	<b>Secondary</b>
<b>Mitchell Silver</b>	pyrite, sphalerite chalcopyrite galena(Ag, Bi)	molybdenite, <u>pyrrhotite</u> tetrahedrite	<u>hessite</u>	qtz veins in sericite- chlorite altered volcanics	

**Bulk Tonnage Au**

**Snowfield**

pyrite	chalcopyrite, sphalerite	galena, gold, tennantite	bulk tonnage Au, qtz veins in sericite- chlorite schist
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