

# Ore Mineralogy Mitchell-Sulphurets Area

## AuAg Veins

*From: Don Harris  
(P.E.S. comm.)  
Roundup '92*

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

→ Sulphurets  
(Bruceide)

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**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 <i>Cu Pb Bi S<sub>3</sub></i>	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	

**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 <i>PO phosphates</i>
<b>Kerr C</b>	pyrite, pyrrhotite	chalcopyrite	molybdenite, tennantite	unaltered volcanics	
<b>Ostensoe Bornite</b>	pyrite, chalcopyrite	bornite, magnetite tetrahedrite	hematite, gold merenskyite, clausthalite <i>Pd Pt Bi Te Pb Se</i>	altered monzonite	malachite

Zone	Major	Minor	<u>Ag Veins</u>	Trace	Gangue	Secondary
Mitchell Silver	pyrite, sphalerite chalcopyrite galena(Ag, Bi)	molybdenite, pyrrhotite tetrahedrite	<u>hessite</u>		qtz veins in sericite- chlorite altered volcanics	
Snowfield	pyrite	chalcopyrite, sphalerite	<u>Bulk Tonnage Au</u>	galena, gold, tennantite	bulk tonnage Au, qtz veins in sericite- chlorite schist	

Dick Atkinson - Por. Pearl

Tom Colbourne (Kamloops)

- Blackstone Mike
- OK to visit this summer

Ed ? (Egil Lorenzen) - Davis Key  
 - offer to give mineral specimens - Zn

Peter Dastler  
 - Expo - drilling

Art Taplin - 2-Day ('40's - '50's)  
 (ex-fading coal)

Garfield Mc Veigh  
 - Red Mtn. core shack  
 to write up  
 - Myra Falls - Battle Zone  
 - Inli Chief

Grant Abbott  
 Colin Spence  
 - Kames work index - visit with whitehorse

Dave Brew (USGS)  
 - Resource Assessment

Rob Day AOK prep.  
 Glacial geochron

Jake Margolis  
 - Sulphurates/Epi. model

John Kowalchuk  
 - Kerr