

Ore Mineralogy Mitchell-Sulphurets Area

AuAg Veins

From: Don Harris
(PETS. common)
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	→ Sulphurets Gdd
Electrum	pyrite	sphalerite, tetrahedrite arsenopyrite	chalcopyrite, galena pyrargyrite, electrum	qtz veins in sericite-chlorite schist	888168
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	

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	
Iron Cap	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 Pb Bi Sb

Porphyry Cu (Au)

Montgomery (Main Cu Zone)	pyrite	chalcopyrite, tennantite	molybdenite, magnetite galena, sphalerite	altered monzonite	
Sulphurets Gold	chalcopyrite	pyrite, molybdenite	tennantite, sphalerite gold, galena	bulk-tonnage Au(Cu,Mo) altered and intrusive rocks	
Kerr B & A	pyrite, chalcopyrite tennantite	bornite, <u>enargite</u> sphalerite, galena	chalcocite, <u>colusite</u> gold, pyrargyrite hessite, 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>
Ostensoe Bornite	pyrite, chalcopyrite	bornite, magnetite tetrahedrite	hematite, gold merenskyite, clausenthalite	altered monzonite	malachite

Pd Pt Bi Te Pb Se

Ag Veins

Zone	Major	Minor	Trace	Gangue	Secondary
Mitchell Silver	pyrite, sphalerite chalcopyrite galena(Ag, Bi)	molybdenite, pyrrhotite 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	
------------------	--------	--------------------------	--------------------------	---	--