



Penshan deposit cross-section, Peter Laznicka (2001) after Fang Tai (1976)

LT 2294 LEGEND

Unit No	Unit Description
1	Q1 (1.3-0.9 Ma) Penshan hornblende-biotite andesite and dacite domes and flows
M	Q1 epithermal high-sulfidation quartz > alunite, barite, rhodochrosite, calcite, pyrite, enargite, luzonite, famatinite, electrum veins and breccia pipes in silicified > advanced argillic altered wallrocks
A	Silicification (producing "chert") and advanced argillic alteration enveloping the orebodies
2	Miocene Shihti Fm., continental litharenite > conglomerate, coal
3	Ditto, mudstone

LT 2294 SAMPLE DESCRIPTION (collected and assembled by Peter Laznicka, 1998; samples #1-3 donated by Alan Goode)

Unit No	Sample Description	Sample No
M	High-grade "bonanza" Au-Cu vein: enargite >> luzonite, famatinite (black), minor alunite, in silicified host	1
	Buffalo Mine, "chert" (silicified wallrock) breccia, disseminated and vug-coating auriferous pyrite; low-grade Au ore	2, 3
	Low-grade silica ("chert")-alunite-pyrite halo	5-8
A	Quartz, pyrite, alunite (pyrophyllite) alteration	9, 13-15
	Dickite, nacrite (sericite)	10-12
1	Andesite and dacite	16, 17
	Andesite tuff	18
2+3	Lithic sandstone and mudstone	19, 20