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R. Kirkham's 1989 Mitchell Sulphurets area samples  
KQ 89-

- 45A-1 Coarse anhedral fractured pyrite, fine euhedral arsenopyrite with trace of sph and cpy.
- 45A-2 Coarse anhedral pyrite and sphalerite with trace cpy.
- 45B-1 Coarse to fine pyrite, minor tetra(10.5 wt.%Ag), cpy with trace sph.
- 45E-1 Fine grained euhedral pyrite, trace tetra and cpy.
- 45E-2 Pyrite-rich seam with incls tetra(16.wt.%Ag), cpy and some coarse cpy, sph.
- 46-1 Euhedral to framboidal pyrite, euhedral arseno, minor disseminated tetra(11.0wt.%Ag).
- 46-2 Fine to coarse euhedral pyrite, some euhedral arseno, trace sph.
- 46-3 Fine to coarse euh. pyrite, some slightly framboidal, some euh. arseno. qtz-carb vein.
- 47B-1 Barren qtz stringer with fine grained pyrite, arseno and sph in wallrock.
- 47B-2 Fine euh. arseno with coarse to fine pyrite.
- 47C-1 Anhedral poik. pyrite with euh. arseno. Pyrite-arseno intergrown with some pyrite altered.
- 47C-2 Coarse euh. pyrite and arseno with trace sph.
- 47C-3 Euhedral arseno-rich, minor coarse pyrite.
- 47C-4 Coarse galena, pyrite, arseno with trace diaphorite, sph. 20um gold in pyrite- 514 fineness.
- 47D-1 Euhedral arseno-rich with coarse pyrite.
- 47D-2 Euhedral pyrite, minor arseno, trace gold 25x40um (650 fineness)
- 47E-1 Scattered euh. pyrite and arseno.
- 47E-2 Coarse to fine euh. to subhedral pyrite, fine euh. arseno.
- 47E-3 Coarse to fine subhedral pyrite, fine euh. arseno.
- 47E-4 Sparse pyrite, fine arseno.

- 47G Euhedral pyrite and arseno.
- 47H-1 Coarse to fine subhedral to euh. pyrite, euh. arseno with trace cpy incl. in pyrite.
- 47H-2 Euhedral arseno, minor pyrite. Pyrite rimmed and/or replaced by arseno.
- 47J-1 Euhedral pyrite, minor arseno. Pyrite-arseno intergrown.
- 47J-2 Intergrown pyrite-arseno, euh. pyrite and arseno. Paragenesis of pyrite-arseno shows two modes, pyrite rimmed with arseno and arseno rimmed with pyrite.
- 47J-3 Coarse to fine euh. pyrite.
- 47J-4 Coarse to fine pyrite, some euh. arseno rimmed with pyrite, trace tetra (9.7wt.%Ag)
- 48A Framboidal to euh. pyrite, minor euh. arseno, trace limonite. Gold 10 um in pyrite -580 fineness.
- 50A Coarse to fine cpy, minor pyrite, trace moly, sph, tetra.(0.3wt.%Ag), Porphyry style of mineralization.
- 52A Qtz-carb vein with coarse sph, gal, incl. cpy, tetra.
- 56B Coarse to fine anhedral pyrite, minor cpy (mostly in gangue), trace tetra(0.4wt.%Ag). Porphyry style of mineralization.
- 56D Scattered anhedral pyrite, minor cpy, trace arseno, sph. Similar to 56B
- 61A Coarse to fine subhedral pyrite partly altered to limonite, minor altered cpy.
- 61B Cpy-rich, minor euh. coarse pyrite. Some alteration.
- KQ-87-67A-2 Altered arseno-rich, galena, sph, trace tetra.
- " 67A-3 Altered arseno-rich. Same as 67A-4
- " 67A-4 Altered arseno-rich.
- KQ-89-70C Scattered fine pyrites that is localized within micaceous patches.
- 73D Massive galena, sphalerite, minor tetra, trace cpy. Gold incl in tetra.
- 97C Coarse to fine anh. pyrite, minor coarse sph(xcpy), trace galena, tetra (18.9wt.%Ag).

- 98D-1 Coarse to fine pyrite, some fine framboidal pyrite,  
trace altered arseno.
- 98D-2 Coarse to fine anhedral to euh. pyrite, minor euh.  
arseno.
- 98D-3 Scattered coarse pyrite, fine disseminated euh. arseno.
- 98D-4 Fine euhedral to framboidal pyrite, some arseno.
- 99-1 Fine to coarse euh. pyrite, some coarse pyrite zoned  
with incls of cpy, gal?