

from D.C. Harris
May 4/88

803917

Sulphurets specimens from R. Kirkham

879563

KQ 87-36B - vein in str. canyon N. of Brucejack Creek.
Coarse sph (2%Fe), tr. py, Ca,Fe,Mg carb in qtz vein

879568

KQ 87-46 - veins below ice falls Hanging Glacier
Sph-rich, cpy, gal, py, tr. arseno. Sample contains base
metals minerals, but appears to have no Ag minerals.

879633

KQ 87-63C - leached qtz veins ridge North of Catear.
Abundant pyrargyrite, tetra (20-33Ag), coarse sph, tr. py,
some acanthite and stephanite. These samples are very silver-
rich.

879645

KQ 87-67A - arsenopyrite showing *Arsenopyrite showing*
~~Gossan Hill area.~~ ← *no*
Arseno-rich with tr. sph, cpy and rare stannite.

879649

KQ 87-67D - veins Zone E? ← *?? E. of Arsenopy. Showing*
gal, sph, cpy, tr. py. These samples are nearly absence of
silver minerals like those from the ice falls of Hanging glacier.

879739

KQ 87-95C - Hanging Glacier
coarse sph, py, gal, tr. spy. carb-rich

879740

KQ 87-95D - Hanging Glacier
py, coarse gal, carb-rich. One incl. of pyrargyrite in gal.
No tetra.

879742

KQ 87-95E - Hanging Glacier
Py-rich, minor cpy, sph, tr. gal, tetra (12 Ag). A feature of
these samples is the abundant exsolved cpy in sph.

879799

KQ 87-109A - N. side sulphurets Glacier.
major pyrrhotite, sph (7.5 Fe), diss. gal, cpy, minor
arseno, py, tr. tetra. A Ca,Fe,Al Silicate (garnet?) encloses the
sphalerite. These samples are the first major occurrence of
pyrrhotite in the area.

879793

KQ 87-110 - North side Sulphurets Glacier
Wallrock sample - coarse cpy, py, tr. sph, tetra, carb-rich.

879794

KQ 87-110A - North side Sulphurets Glacier

cpy-rich, major py, minor sph (2 Fe), calcite (Mn,Fe)-rich, abundant apatite. Several electrum (543) interstitial to py and cpy and a gold incl (937) in pyrite.

879813

KQ 87-115C - NW Gossan Hill

extensive iron oxidation

but Au in sample

879818

KQ 87-115F - NW Gossan Hill

only pyrite

879830

KQ 87-121A - SW Catear Vein 20-40 cm qtz vein

coarse tenn (3 Ag), py, minor cpy, sph, magnetite, Tr. hematite, 25 um electrum (646), siderite gangue carb. These samples are characterized by magnetite replacing tenn and the siderite carb, plus hematite.

*unusual
??*

879846

KQ 87-127A - North side Mitchell Glacier west of Brucejack In.

coarse sph (0.02 Fe), tenn (2 Ag), minor gal, tr. cpy, acanthite, stephanite, native Ag.

879850

KQ 87-127D - North side Mitchell glacier west of Brucejack In.

coarse sph, minor gal, py, tr. tenn, no cpy. These samples appear to be suitable mineral associations for precious metals.

879865

KQ 87-132A - South ~~west~~ ^{east} of Brucejack In.

py-arseno, tr. cpy, tetra (17Ag), electrum (505), sph (2 Fe) electrum occurs in narrow qtz veinlets w/ py-arseno, cpy, tetra.

*} but negl. Ag in assay
??*

879868

KQ 87-133 - same as above? arseno-py.

*west of Brucejack In west of Electron Zone
Au assay = 0.2403%*

879903

KQ 87-144 - NE of Snowfield Au zone

py, minor moly, tr. cpy, gal, sph, pyrr as incls in py.

879909

KQ 87-146 - Ostensoe Bornite showing

coarse cpy, tetra (0.3Ag), tr. bornite, minor magnetite-hematite, euh coarse rutile, tr. clausthalite (Pb(Se,S)). Other samples from Ballantyne 879254 - 980 m contain coarse electrum 300 um (730) with no bornite. Note the Se mineral at this loc.

879914

KQ 87-150A - Gossan Hill Trench

py, diss. sph (1.0 Fe), tetra (21Ag), acanthite, tr. cpy, gal, arseno, 40 um electrum (464).