

Sulphurets Area, B.C.

803772

Number	Formation	Location	Description
KQ-87-11	Au-Bi-Tash	Glacier Gulch, South ~ 30-40m above trail H.B. Mtn. (i.e. Smithers Spec)	<p><u>IIA</u> - "upper zone" ~ W. end - vein or pale altered rock @ possible diss. sp (or leucoxene??)</p> <p><u>IB</u> - spec. from in situ dump with obvious tellurides (Joosite A+B & Tetradymite) - geochem. sample to test element assoc. - e.g. W & Mo</p> <p><u>IC</u> - typical layered vein spec. from dump</p> <p><u>ID</u> - question Cu-bearing sample from dump (i.e. - looks like it could have come from this occurrence - bleached serc-carb. alt. but possibly from elsewhere)</p>
KQ-87-12	fol. feld. porph	1/2 mi. E Newh. Ck. ~ 30m W OR 7-1	weakly alt. (serc.-chl.), foliated relatively uniform feld. porphyry (andesite?) (mineral to K-py) 1-2 cm
" " 13	" f. g. "	~ 2mi. S. bet. OR 7-1 & 13A	<p><u>13A</u> - weakly alt. (1-2% py), fol., rel. uniform, f.g. feld. porph</p> <p><u>13B</u> - ~ 30m SE? - 2-20cm wide qz-cal-py vein</p> <p><u>13C</u> - ~ 50m S - rusty, weak, very siliceous, dense pale grey py (~ 5%)</p> <p><u>13D</u> - ~ 100m E - sl. foliated, relative uniform, pale buff-gray highly alt., serc-py f.g. feld. porph.</p> <p><u>13E</u> - at OR 7-2 - above str. - same as 13D - py in fractures</p> <p><u>13F</u> - ~ 50m E - n - similar D 4 E but @ vol. frags. - sample not</p> <p><u>13G</u> - ~ 20m E - same grungy & rel. uniform, buff, py, alt. 1-2%</p> <p><u>13H</u> - ~ 20m E - top rusty knob - deep, weak, py (2-3%), sil, serc, S.I.</p>
KQ-87-14	buff alt. and?	~ 100m S - 13H	Alt. foliated, buff, alt., serc, py andesite?
			<u>14B</u> - ~ 30m (uphill) of 14H - py - serc - chl. schist afterward?
KQ-87-15	Young basalt dyke	at 14B locality	1m wide, columnar jointed, dark greenish, alkali basalt dyke
KQ-87-16	buff alt. and "rusty" and.	~ 30-60m of 15 + 14B	foliated, alt., serc buff and. (carb. alt.?)
KQ-87-17	hem. red and. br.	~ 100-120m E OR 7-3 - high pt. on ridge 1700'	heterogeneous hematitic oxidized red andesite breccia (photos in area)
KQ-87-18	grey and. br.	~ 220m SSW of 17	sl. rusty weather, med. green-grey andesite breccia @ some very angular clasts (photo)
KQ-87-19	maroon-grey and.	<p><u>19A</u> - ~ 130m ENE OR 7-4 dark maroon-grey, play. phryic and. br.</p> <p><u>19B</u> - ~ 30m NE, OR 7-4</p> <p><u>19C</u> - ~ 175m NW of 18-9 - 0</p>	" " " " " " " " " "

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KQ-87-20A	dark qm chl. alt. and g3-serr-py schist	OR7-5 - below ice 21A ~25cm NNECR 21 21A ~100m N of 21 N. side	dark green, relatively massive, py (concentrating), chl. and g3 21A - flat of below ice - pale grey, intensely alt. py (~2%) g3-serr
KQ-87-21	pl-hb porph.	Bruce Cr. - ironwott. ~100m W 22	rel. mas., grn-grey, alt. (~1%) pl.-hb. porph. 22A - serr. - py alt. rt. (pl-hb. porph. ??)
KQ-87-22	dark siltst. & fibrite dyke	~70-80m S along Cr. from OR7-6	23 - well bedded dark siltst. Q (~2-4% v. f. diss. sed. - py 23A - 1.5m wide steep EW contorted pale cream "green alt. fib. dyke"
KQ-87-23	dark turbiditic sed.	Bruce Cr. Canyon ~125m	24A - grey weather, black, ~10cm wide lithographic ls bed 24B - pale & dark grey well bedded f. g. S.S. & siltst.
KQ-87-24	pl(hb?) porph.	Bruce Cr. Canyon at OR7-7 & above	25A - fol. chl. alt. pl-hb porph? 25B - " " " " ? @ 1% ~20m W 25A 25C - ~160-180m @ OR7-7 - pale green, sl. alt. & sl. fol. f.g. to aphanitic plagioclase (~2-3%) porph.
KQ-87-25	andesite breccia	~200m S OR7-7 on rk bluff above gl.	26A - slightly altered & foliated pale buff-gry andesite breccia @ dark & light frags. some to 30cm
KQ-87-26	vein	~50m S of 26A	26B - pyritic andesitic breccia 26C - g3-py veins (xEu/Py/M) with minor cp&sp
KQ-87-27	and. br. (interbedded grey br.)	@ OR7-8 - S end rock bluff E. Sibit	dark weathering (photo), sericitic, carb-alt., pale green-grey andesitic breccia
KQ-87-28	dark turbiditic sed.	~300m S of OR7-8 ~180m E of 28	20 cm thick, dark, fig. sandstone bed 28A - black fissile siltstone
KQ-87-29	fol. grey and. br.	~150m W of OR7-9	foliated, serr. chl. alt. pale grey and. br. @ scattered dark frags. (mostly weathered - or ?? pyrox. xths ??) white weath., med. grey, fol. feld. porph. - small dark frags in c/c (or pyrot. xths ??) (weath. cut)
KQ-87-29P	feld. porph.	~20m E OR7-9	white weath., med. grey, fol. feld. porph. - small dark frags in c/c (or pyrot. xths ??) (weath. cut)
KQ-87-30	pl-hb. porph.	w20m E of OR7-9 ~1/2 way bet. lineaments	mas., grn-grey, f.g., uniform pl-hb. porph. must be
KQ-87-31	ruby Ag high gr. ore no geoch. sample	W. of 2. zone from dump	from 2' wide rich vein underground ~5 oz Au/tt 4-600 oz Ag/t - ruby Ag, grn, sp, cp, py, g3 etc.
KQ-87-32	pl. phricic and.	S. side Cr. ~20-30m	pale grn-grey, sheared alt (~1/4 py) pl. phricic and?
KQ-87-33	pl-hb. porph.	" " " W. of line opposite 2	medium green-grey, f.g. pl-hb. porph.
33A	vein	" " " ~70m W 33	33A - ~2m wide layered g3-carb vr @ py & tr. min.
	pl-hb. porph.	" " " ~15m W 33	33B - mas., somewhat alt. f.g. pl-hb. porph.
KQ-87-34	mas. buff S. (cpl.)	N. " " " ~70m SOR7-10	34A - mas. buff medium grained S. S. 34B - " cpl. " " " fine-grained pebbles

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KQ-87-35	pl. porph.	~60-70m E of OR7-11	massive pale to med. green, sl. α H. ($\sim 1\%$ py), pl. porph.
KQ-87-36	buff att. rk vein	~300m NNE OR7-11	36A - pale buff, carbonate-altered rock (and?) ($\sim 1\%$ py)
	36B - vein	in stream-canyon	36B - ~5cm wide, EW, buff-wash, qz-carb. vn (W) qz & py (some br)
KQ-87-37	hb. porph. (vol. br.)	~100-200m N of 36	blocky dark green, chl., epid, py alt. hb. porph. (large some br)
KQ-87-38	dark S.S.	~150m N. of West side	~40-50cm bed, dark, f.g. S.S. (some diss. sed.?, py)
KQ-87-39	gray and. br.	~30m ECR7-12 Hanging Gl	pale wash, grey (grn), pl. phryic and. br. @ stretched dark hb. frags.
		~150-200m W of OR7-12	39A - " " " " " highly ironed, " " met. epid.
KQ-87-40	bedded marphytolites	~300m SW of 36	well bedded, graded, maroon-grey tafts on epidote rks.
KQ-87-41	pl. phryic and.	draws ~250m N ECR7-12	massive maroon-grey pl. phryic andesite
		~150m E of 41	41A - " " " " " sl. "
KQ-87-42	pale att. and. br.?	@ CR7-13 nr. Brues	42A - pale alt. py, sil., serc. and. br. ? & and?
		~80m W of 42A	42B - pale grey-green bedded alt. py, sil. sed. ? or Fe? (?)
		~50m W of 42B	42C - " grey intensely alt. qz-serc-py ($\sim 4\%$) (K) (W) scattered qz veinlets (W) minor Mo
		~150m W of 42C	42D - similar to 42C but no maf & 15-20% qz vns in cl.
KQ-87-43	Premier-type Porphy.	~100m W of 42D	med. green-grey, relatively barren (post-tectonic) pl. hb. porph. (large tectonic (?)
KQ-87-44	mas. alt. rk.	~100m NW of 43	44A - relatively massive, highly sil.?, f.g. py ($\sim 2-4\%$) pale grey altered rock
		From CR7-14 ~60-70m NW of 44A	44B - similar to 44A only greyer & more chl.
		~100m SW from 44B	44C - dark green chl. alt pl-hb porph. (py, $\sim 3-5\%$)
		~150m " 44C	44D - similar to 44C - some vol. br.?
KQ-87-45	" " "	@ CR7-15 top of clif	45A - pale hard intensely alt. H. s.l. vol. rk. ? (ns?)
		~150m ?? SW of 45A	45B - similar to 45A but leached veins
KQ-87-46	qz carb br. vein	SW CR7-15 below cliff	46A - 4-5m wide br. qz carb vein zone (W) some qz, sp. qz, py, tetrad.?, py, apat?
KQ-87-47	Br. or cyl.?	~100m W of 46	47A - pale alt. sil. py breccia &/or cyl.
		~50m NW of 47A	47B - pale grey alt. py S.S.
		~" ???"	47C - qz-carb vein (W) py & m op at str.
		~100 " 47C nr. str.	47D - green-grey alt. py beaded br., cyl., S.S. (4/ or tect. vol. br.?)
		~100m SW of 47D "	47E - qz veins with py and minor op
		~" " of 47E	47F - massive, alt. py, green vol. rk.
KQ-87-48	and. br.	~100m SW CR7-4	48A - dark maroon-grey pl. phryic and. br.
		~30-40m ?? SE of 48A	48B - green-grey (sl. py) matrix-supported hy. tuff
KQ-87-50	dark sed. rk	~70-80m ?? SW of 48B	50A - contorted black argillaceous / s wood in de frags
		~30m SE of 50A	50B - massive med. grey mudst. debris flow (angular) (W) IF = low?? DAC - pinkish mafic inc. Pale over S.S. (G.M. - rare in cl.)

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KQ-87-51	pale sil. & vein rock OR7-16-isolated snow	SIA - pale highly alt. py-gr-sch. host rock stopper E most upper c/c SIB - 10cm gr vein @ py (& taarsenp. ? ± go??)	
KQ-87-52	" " "	~150-200m W OR7-16 S2A - pale alt. py-sch-sil. rk. across snow line S2B " grey " " " mes. vol. rk. ^{OR7-16} S3A	
KQ-87-53	pale grey seric. schist large dk insnowed	53A-Nendofm pale grey (sl. grn) sericite-py(2-3%) schist ~1/2mi. S 52B 53B - ~50m S53A " " (") " " " ~50m S53B 53C - ~30m wide, less alt., grn-grey hb, porphy. dyke? ^{ch.4} ~1/2mi. S53C - ~50m S53D - rel. mas. serc.-py alt. rk. ~150m S53D @ OR7-17 S53D - rel. mas. serc.-py alt. rk.	
KQ-87-54	pale grey seric. schist ~120-150m NW S3E	54A - " pale grey ^{grn} & Cre. - chl. - py alt. rk. (vt-2% py) vn 54B - ~2-5m wide wide layerd sheared gr-carb ber (gr, py) vln ~80-100m N 54B 54C - indurated, highly altered, sl. py, rel. mas. pl-hb, porphy. ~150m N 54C @ OR7-18 54D - " " , alt. vlnes., Py(1-2%), green-grey " " ~150-170m N 54D 54E - same as 54C & D alt. grn-grey " "	
KQ-87-55	dark turbidites OR7-19-E side Sph. ~30km dark, carbonaceous, fine grained sandstone	~60-70m N 55 55A - ripple cross/laminated, f. g. S.S., siltst. and blattary.	
KQ-87-56	graphitic and. br. OR7-20 - ~1/2mi. N 58	buff weathering andesite breccia (w dark graphitic matrix ^{debris} ^{flow})	
KQ-87-57	buff serc. lap. tuff?	~140m N 100m E linear buff foliated sericitic lapilli tuff ^{OR7-6} ^{terminable} ^{large pyroclasts} ;	
KQ-87-58	grn pl-hb porphyry ^{sum? E of #57?}	massive, medium green, f. g., meta. pl-hb porphyry ^{cuts} fol. tuff	
KQ-87-59	buff, serc. fol. tuff	~20-80m SE #58 weathered, grangy, buff, sericitic, foliated tuff	
KQ-87-60	pl-hb. porphyry	~1/2-3/4 way to base ^{Pyroclastic} foliated, green-grey, f. g. pl-hb. porphyry	
KQ-87-61	pale sil. alt. rk.	~30-40m S OR7-13 highly altered, pale grey, siliceous, py(5-7%) rock	
KQ-87-62	pl-hb? porphy.	~120m S OR7-13 alt. (vt-2% py + 3% cp), med. grn-grey, f. g. pl-hb? porphy.	
KQ-87-63	pale sil. alt. rk.	~100m W of #62 63A - rusty, pale grey, highly altered, sil., py(5-7%) rk. ^{cut by} ~30cm front ^{15m N} 63B - " " " " " see. " " " ^{cut by} " 25% py ^{as}	
	vn ~80cm wide gr. vn	63C - leached gr vein but still visible spot gr ~150-170m W of 63B, C 63D - same " pale sil. , py altered rock	
		~150m WSW of 63D 63E - pale green, alt. py, f. g. dyke?? or vol.??	
		~100m W @ OR7-21 63F - same pale, sett., sil., py (3-4%) rock	
KQ-87-64	dark seds. tans. br.	~300-400m S 63F @ OR7-22 64A - thick, bedded, dark grey, f. g. sandstone ~30m WNW of 64A 64B - massive, medium grey, alt. (vt-2% py) and. br.	
KQ-87-65	pale alt. sandstone	~300m W of 65A 65A - pale, sil., serc., py, alt. S.S. ~50m W of 65A 65B - " " " " " "	
		~100m S of 65B ^{15m N} OR7-22 65C - pale green, indurated, hornfelsic & altered	

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KQ-87-80	black argillite	South Treaty Bl. ~5m " N. m below center of vol.	black pyritic mudst. & chert 80A - jet black argillite
KQ-87-81	hyaloclastite?	" " ~5m contd. " ~7m " "	pale grey pyritic (~3%) rhylite or att. hyaloclastite 80B - pale grey pyritic (~3%) rhylite or att. hyaloclastite 80C - pyritic grey hyaloclastite (?) looks like tuff? 80D - bedded grey " ? or rhylite tuff? with some angular lapilli frags.
KQ-87-82	pale green-grey debris flow	" " ~11m " "	81B - hyaloclastite br. @ dark matrix on ^{1500ft} _{base}
KQ-87-83	marker grn. tuff	" " @ ORY-30 " " " "	massive pale green-grey, rusty, weath. pebbly mudst. 83A - pale green, rhylitic tuff or chert?
KQ-87-84	pale green-grey debris flow	" " ~300m W 83 " "	83B - " " " cheety " " @ white feld. ^{1500ft} _{xtls}
KQ-87-85	" " " " And. br. + massive (some qz, pyrit?) granitoid clasts) ~250-300m thick unit	" " ~50m W 83A " "	83C - maroon-grey, " " channelled "tuff" (epiclastic?) bedded pale green-grey in pebbly mudstone 83A - pale grey pebbly mudst. @ ~2-4% diss. po (+py + tr.?) 83B - pale green-grey pl. (hb) phryic and. br. frags. @ 85C - possible small ¹¹ _{lens to 6cm} ⁹³ porphy. (?) frags. in debris flow ~60m W 83C 85D - pl. (epid. atter hb) phryic andesite ~50m W 83E - med. green vol. (and.?) br. @ large amyg. dials. fusion ^{1500ft} _{base} 85F - massive green andesite?
KQ-87-86	amyg. flow (column ~40m? W of 85F of jointed) (20cm thick) ORY-31	" " " "	massive medium green-grey amygdaloidal flows
KQ-87-87	bl. arg. & pale pebbly mudstone	~80m W 86 " "	87A - Graded black arg. (20-30cm beds ^{1500ft}) frags. near base
		~10-15m thick below 87A	87B - bronze-weathering, dark grey tiny pebbly mudstone @ abundant belemnite frags. (1 ammonite & pelagic)
		unit below 87B	87C - massive, graded, pale grey ^{1500ft} _{base} weathering amyg (at base) S. S. (30cm beds)
KQ-87-88	andesite tuffs tbs. (+ minor debris flows & dark arg.)	~20m strat. below 87C	88A - massive, pale green-grey pl. phryic andesitic lapilli tuff
		~80-90m NW 88A	88B - mas. pale green-grey pl. phryic and. br.
		~60m " of 88B	88C - " green - " " "
		~150-200m " @ ice	88D - pale grey pebbly mudstone along main treat. (1) scattered angular frags. to 1cm

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KQ-87-9A	sl. fol. and. br.?	Mitchell-Sulph Ridge OR7-34 typical sl. fol. alt. chl/serv, py (2-6%) and. br.? isolated qf N. end OR7-9B - qz-serv.-py schist	highest S end OR7-9C - similar to 89A & 8B?
KQ-87-9D	qz-serv.-py schist	OR7-34 under coarse pale qz-serv.-py felsic felsic schist after and. br.?	minor f. stringers in felsic schist
KQ-87-91	" " "	OR7-34 under coarse " " " (2-7-8% f. g.) " after and. br.?	after and. br.?
KQ-87-92	pl.(Ksp?) porphyritic?	OR7-35 high on ridge alt. pl. (K-spars - scattered large pl.?) w/ 15m wide dyke? ~100m SW OR7-34 91A " " " schist after and. br. (?) ep. tuff top of beds ~80m S 92A 92B - " " " (5-6% f. g.) alt. rock ~80m S 92C - " f. g. rel. dense alt. sil.-py r. k. (tuff?) ~80m S 92D - " grey dense " " " "	(rarely 0%)
KQ-87-93	late diabase(keratophyre) dyke	w 50m S of 92E	~2m wide, flat, f. g., green-grey diabase dyke - cuts
KQ-87-94	pl-hb. porph.	~70-80m SSE 92D	- mas., blocky, sl. py, alt. f. g. pl-hb porph.
KQ-87-95	sil. alt. sed. or tuff?	w 20-30m N of OR7-36 (on str.) w 80-90m SE OR7-36 95A - buff weath., alt. py sed. @ some relic graphic intergrowths w 100m 95A 95B - green py alt. brecciated limy sed. r. k. w 20m E 95B 95C - 2-3cm wide qz-cal-bar/gash vein w/ diss. gr sp w 80-90m S of 80C 95D - gash vein @ gr sp???	0.0402 0.016
KQ-87-96	f. g. pl-hb porph ridge W. Sulphur GOR7-37	metamorphosed f. g. pl-hb porph. @ w 100m N 96A - similar to 96 - medium, rel. mas. meta. r. k. " " " " " 96B - same alt. py pl-hb porph. " " " " " 96C - same alt. py pl-hb porph. " " " " " 96D - same alt. py pl-hb porph.	(W mafic sp) ep chl. r. k. r. k.
KQ-87-97	pl-hb porph.	OR7-38 coarse pl-hb porph. and. br. (frags.) (w/ high ridge) w 20m W 97A - distinct rusty weath. pl-hb porph. D 15% " " " " " 97B - same = " " " (w/ 4-5% pyro) " " " " " 97C - " pl-hb porph and. br. (w/ pyro) " " " " " 150m N 97C typical polyolithic pl-hb porph and. br. w/ pyro	0.0402 0.016
KQ-87-98	" " " and. br.	" " " " " 98 f. g. pl-hb porph @ subitic frags. w/ 10-15% pyro	0.0402
KQ-87-99	" " " " "	" " " " " 100A - similar to 100 but ~ 3-4% f. g. diss. py " " " " " 100B - " " " " " (w/ minor py frags. w/ 10-15% pyro)	0.0402
KQ-87-100	grungy, v.f. g. basal shale	" " " " " 100C - same dark grn mafic v. l. b. (w/ 1-2% pyro)	0.0402

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KQ-87-154	f.g. s.s. rock. silt/lst.	~80m W of Br. Cr. N ^o 153	pale grey f.g. s.s. and cleaved siltstone
KQ-87-155	alt hb porph dyke	~75m " " " N ^o 153	mas., blacky obs, uniform, sl. py, alt. hb porph.
KQ-87-156	buff sh. mas. S.S.	N of Br. Cr. opp side of road	94.0% zone mas., sl. sheared buff sand stone