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CANADA
Department Energy, Mines and Resources
Geological Survey of Canada

1st 7/86
Trace

NOTE BOOK

No. 2
SEASON OF 19 86
PROVINCE B.C.
DISTRICT Mitchell-Sulphurets
NAME R. V. Kirkham
CHIEF OF PARTY R. V. Kirkham

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THE DIRECTOR,
Geological Survey of Canada
Department of Energy, Mines and Resources
OTTAWA, CANADA

G.S.C. 146-S
R. 2527

Kerr Property
 (Cassiar - S. of
 Sulphurets Gl.)

Cloud, snow Sat. Aug. 16/86
 - photos detoured (faulted) beds
 down Bruce Jack Creek
 Rick Meyers Scott Casselman,
 Terry McIntyre

DR6-21 - ~5100'
 - Cassiar Camp
 - mixed slaty
 siltst. + arg. + green
 fol. pl. + hb. porph dykes
 (quartz + calc. + rds)
 N of small lake
DR6-22
 - grid 100N + 100E 1634m
 Rick's grid - ~300? m up ridge
 centre
 many of c's
 are leached
 to SSW 1615m elev
 99+15N + 99+65E

KQ-86-125 - typical
 qb ser py schist
 @ ~3-4% diss. py
 uphill from "C" zone
 didn't ^{collect} any samples
 previously, because

o/c's are too leached
 - some foliated in post
 py + alt. ^{dense} and dikes

~70-80m farther up
 ridge KQ-86-126
 same qb ser py
 schist + folded
 and dikes
 1655m elev
 99+15N 98+50E
 on small knob
 ~100m? before "B" zone

126A ^{Zone} met pl - hb? sl. fol.
 porph. (typical) ~30m
 NW

- ~80m? up fault
 some qb ser schist out
 by fault. dikes ^{RP-1m}
 127 ~ 30m before 127A ^{ch. 5m}

KQ-86-127A 50N + 97E
 1720m elev
 - near N end
 of B zone in cr.

q3 stringers uphill
till ~15-20% @ 127A
which carry py & cp
127A - immediately E
of trench #13

KQ-86-128 - 1780m
- west side
of E zone
~10 to 20m S
of high grade
1m trench 85°W
A₆

highly fractured
gruney o/c
- edge of gossaned
area

96+35N 9390E
KQ-86-128A
~1m west of high
trench 15-20cm
thick rel. mass
cp 1% (qz) vein

1815m on base of upper
158°/53° SW blast

51
on foliation above
slaty black sed
96°N 93°E

KQ-86-129
oriented sample
to look for deformation
fabric in shear zone?
165°/55°SE on main
fault 3m below
255°/56° lineation
125°/75°SW on
slaty cl. in black
slates below

upper part of trench
#4 "A" zone
1795m elev
above d.d.h.

97+30W 94+30E
KQ-86-130

"B" zone

disse. py + cp
KQ-86-132 bet. + det. obs. 854 B zone
py minor cp qz veins

KQ-86-131 - hb porph 1760m
617 + 25N 95+55E

- approaching diabase?
Summary 1) Au is very inconspicuous
but might be related to qz veins & cp

Number	Formation	Location	Description
Q-86-119	alt. plag. hb porph?	R6-2D - 4330' Hanging Bl. Area	highly fractured, drab, med-green, rel. mas alt. rk. (plag-hb porph?) miron-diss. py
Q-86-120	" " " "	4460 nr. stream at 4480' n 50m NE of str	intensely altered intrusive rk. @ with 5% py 120A - n 7-8cm wide qz-carb. vein @ sp 120B - 10cm wide qz-carb py vein in crevasse in t. (Newhawk Assay #9) 120C - typical of siliceous pyritic altered bedded sed. rk 120D - pieces from several qz-cal-bar veins @ py, qz, sp 120E - typical of green py altered host rocks
Q-86-121	vein lets @ ruby silice	4290' n 100m SE of str n 40m SE of 121 n 100m E on strike n 100m S from 121B	qz-cal-bar veinlets @ py, qz, sp, tetrah, sp, py, margarite 121A - same veins @ contact zone qz (ahoho) 121B - " " " " (Ken Hick's Assay Ag sample) 121C - similar qz-cal-bar 10cm vein @ qz top 121D - qz-cal-bar? vein @ qz + native Ag (local origin?) float at 121B
Q-86-122	alt. plag-hb porph?	4020' n 30m E of str n 100m E of mine	pyritic altered plag.-hb porph.?
Q-86-123	py alt. rk	n 250m SE of 122 3930'	typical pyritic alt. grey rk in area 10m wide sheared dyke
Q-86-124	Premier type porph	n 50m SE of 123 3880'	grey py alt. porph (plag-hb?) @ large wh. k-span phenocrysts
Q-86-125	qz-seric-py schist	n 30m SE of 124 Kerr Property OR 6-22 grid center	typical qz-seric-py schist @ n 3-4% diss. py
Q-86-126	" " "	@ 100N, 100E 1634m spec @ 99H5N 99H6E	" " " " 70-80m up ridge
Q-86-127	" " "	99H5N 98H50E 1655m n 30m NW of 126	126A - sl. foliated meta. plag-hb. porph. same qz-seric py (chl.??) schist?
Q-86-128	grungy altered rk cut by cp-py veins	n 80m NW of 127 n 30m NW of 127 1720m	127A - n 10m end B zone (immediately E of Trench #13) n 15-20% qz stringers (in schist) @ py top - cp-py veins in grungy hackly fract. alt. rk. - n 10-20ms of high grade trend 128A - n 1m W of high grade trend 96+35N, 93+90E n 15-20cm-thick rel. mas cp-py vein
Q-86-129	sheared fault "vol.-sed." rk	n 96N 93E n 1830m??	pale to med. green-grey sheared rk near postulated major fault - mixed volc.-sed. protolith??
Q-86-130	alt. vol.?	1795m 97H30N 94+30E upper (w) part of Trench #A zone	diss. Epy top in alt. vol. rts?? (rain to eq v. heavy) - check spec. for rk. type + see company maps

Number	Formation	Location	Description
KQ-86-131	hb porph	1960m 97+25N 495+55E	hb porph. - approaching diabase
KQ-86-132	"B" Zone	between trenches #849	py dominant up in qz veinlets in alt. v.?
KQ-86-133	plag-hb porph.	W. of Brucejack West Zone near creek	133A/B - typical dxab, grungy metamorphosed py relatively equigranular plag. - hb porph.
KQ-86-134	" " "	200ms of 133 up hill	A+B. - similar plag. - hb porph. to 133
KQ-86-135	West Zone (Brucejack)	Trench #85	135A - typical py qz veined sil. nt of trench
	" " "	" " "send	135B - higher grade veinlets (over ~1m) @ more dark ^{Sulphide}
KQ-86-136	" " "	Trench #93	"blue rock" - i.e. higher grade than av.

Feb. 16/88

Dear Bob,

Enclosed are copies of my 1986 field notes (I traveled ^{only!} with Kirk Meyers) and specimen descriptions. Hope that these chicken scratches will help you locate the samples that were analyzed. Good to see you in Vancouver and to hear of your positive exploration results on the Kerr. Hope that we can get back there next summer.

Best regards,
Rod Ribben