Energy, Mines and
Resources Canada
Cordilleran Division
Geological Survey of Canada
400-100 West Pender, Vancouver
V6B 1R8

Énergie, Mines et
Ressources Canada
Division De La Cordillere
Commission géologique du Canada
400-100, rue Pender, Vancouver
V6B 1R8

803810

Your file *Votre référence*

Our file *Notre référence*

November 23, 1994

Dr. B.P. Fowler
Placer Dome Inc.
1440 Hugh Allan Drive
Kamloops, B.C.
V1S 1L8

Dear Brian:

As part of the Sulphurets GSC-Placer Dome IPP, surface grab samples collected by RVK during the course of mapping were to be geochemical analyzed. Enclosed are preliminary analyses and parts of field sheets showing the locations of anomalous samples.

Samples with low anomalous gold (~100 to >1500 ppb Au) were recognized in a number of areas (e.g., between the McQuillan and Chibougamau zones north of the Sulphurets Glacier; hillside northeast of Sulphurets Gold Zone and south and southeast of the Mitchell Zone; and near ice level northeast of the toe of the Mitchell Glacier). KQ-93-98B (1890 ppb Au) is from a schist sample containing a 5 cm-wide quartz-pyrite vein and KQ-93-98C (1310 ppb Au) was a crude chip sample from four parts of about a 10-m-wide, throughgoing, polymetallic, quartz-stringer zone, and KQ-93-56B (3410 ppb) 3 to 4 m-wide, irregular, polymetallic quartz stringer zone (under Newhawk analyses as near the claim boundary). These three "vein" samples are from an area just north of the icefield on the north side (near the top) of Mitchell-Sulphurets ridge.

These samples fill in gaps in previous coverage and support the contention that large areas in the Mitchell-Sulphurets region contain anomalous concentrations of gold. More accurate locations will be provided on later plots and additional analyses on these samples (including copper) will follow.

Yours sincerely,

Rod Kirkham

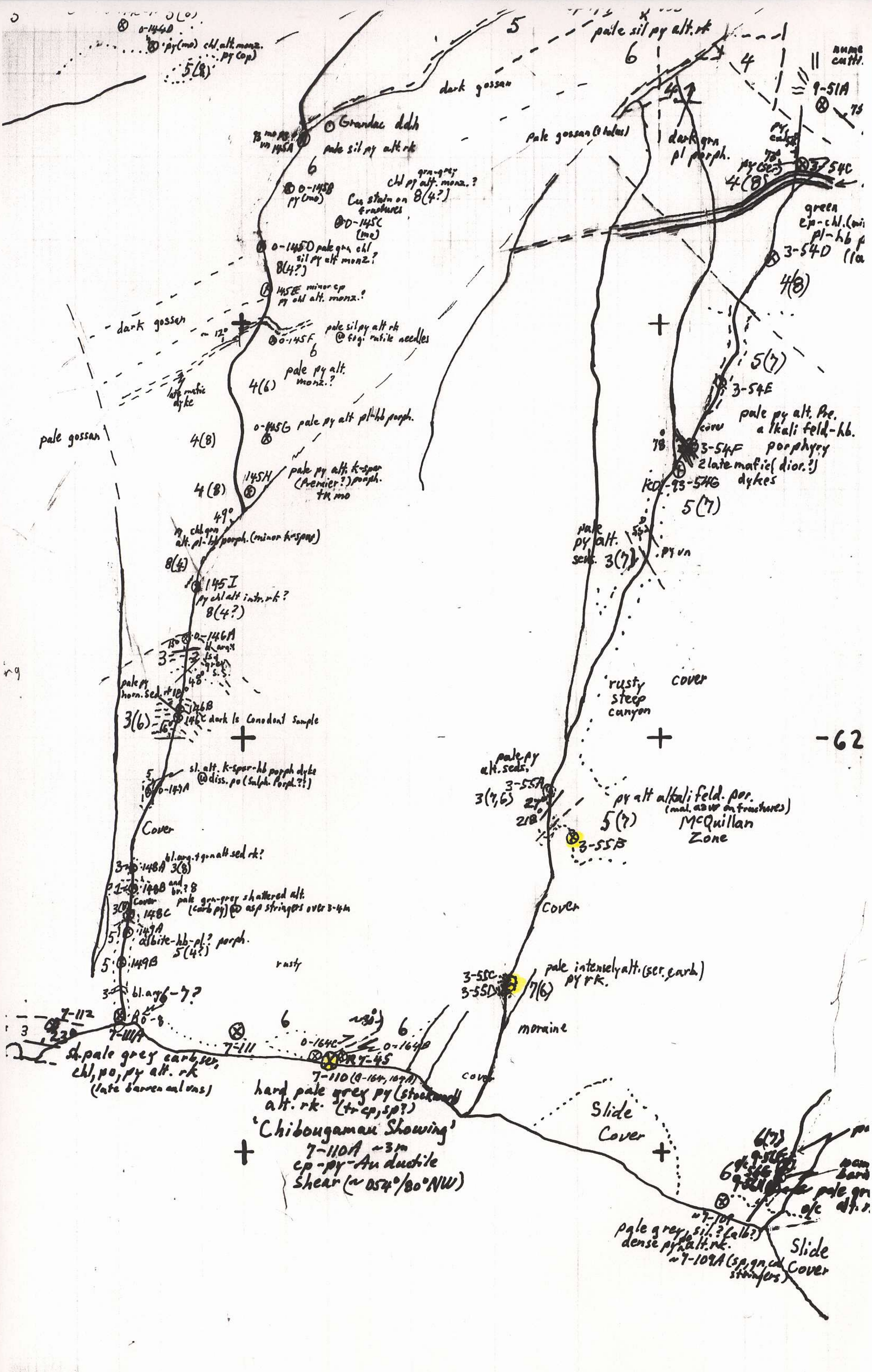
R.V. Kirkham
Fax: (604) 666-1124

RVK/bv

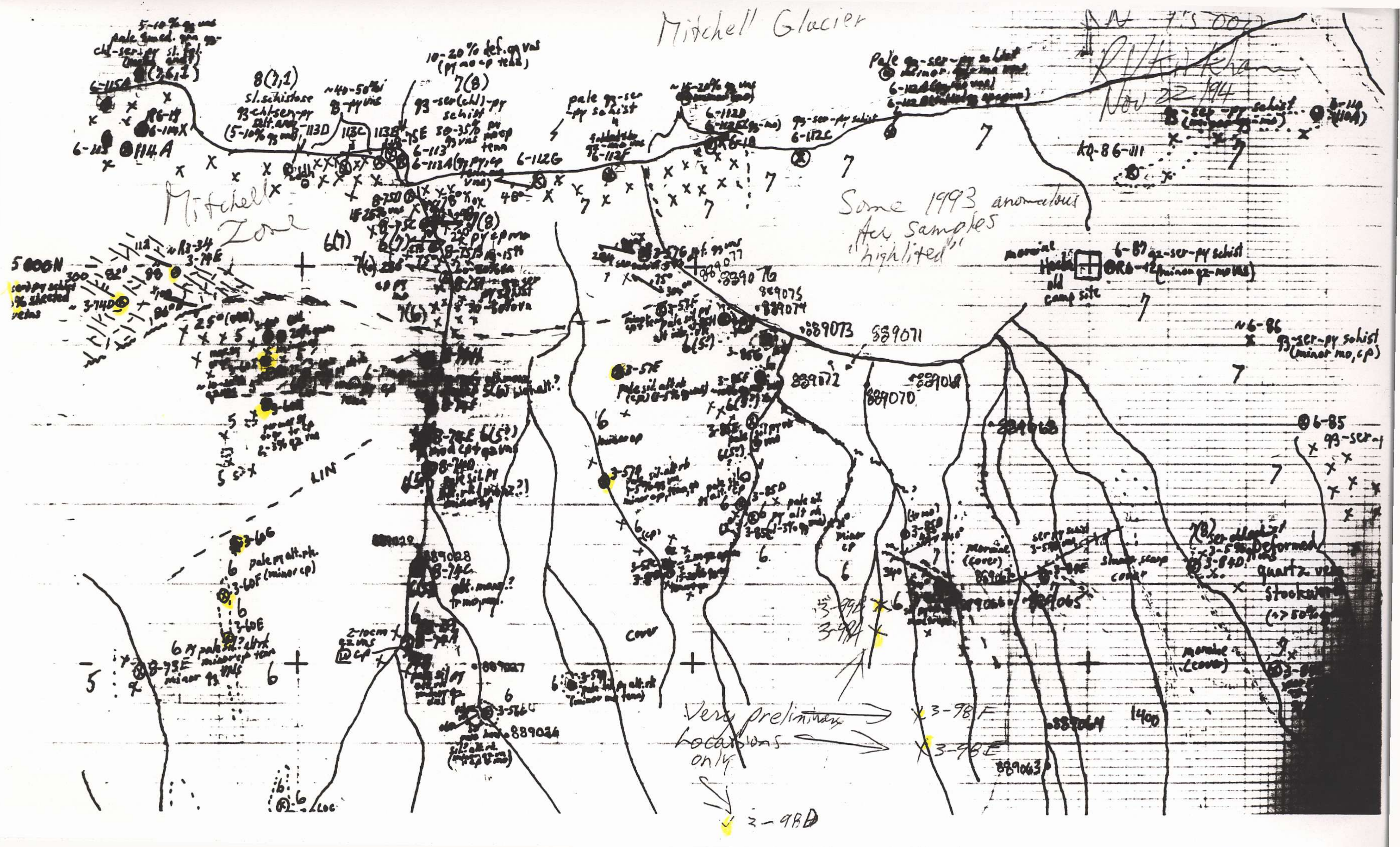
encl.

cc C.W. Jefferson
S.B. Ballantyne

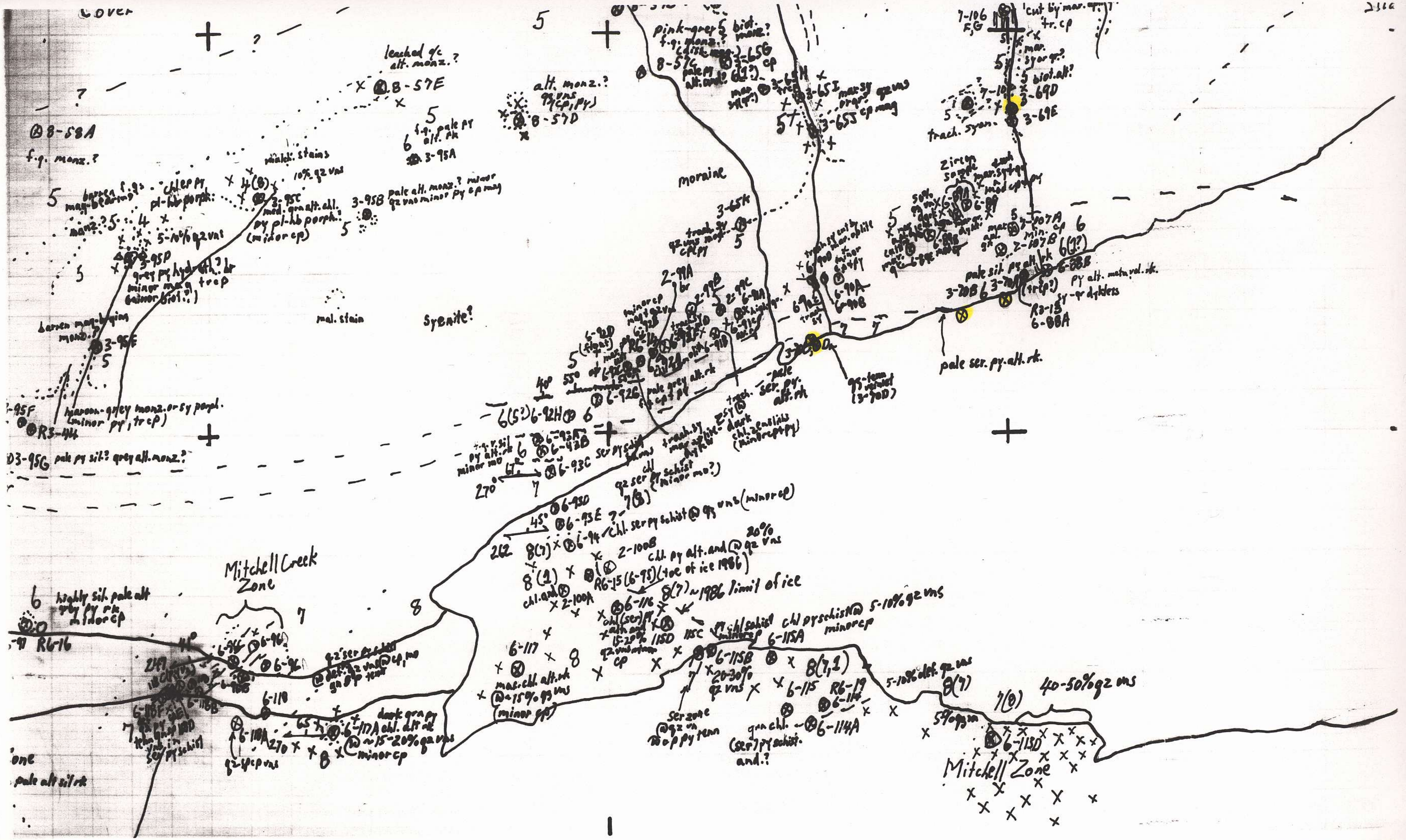
Canada



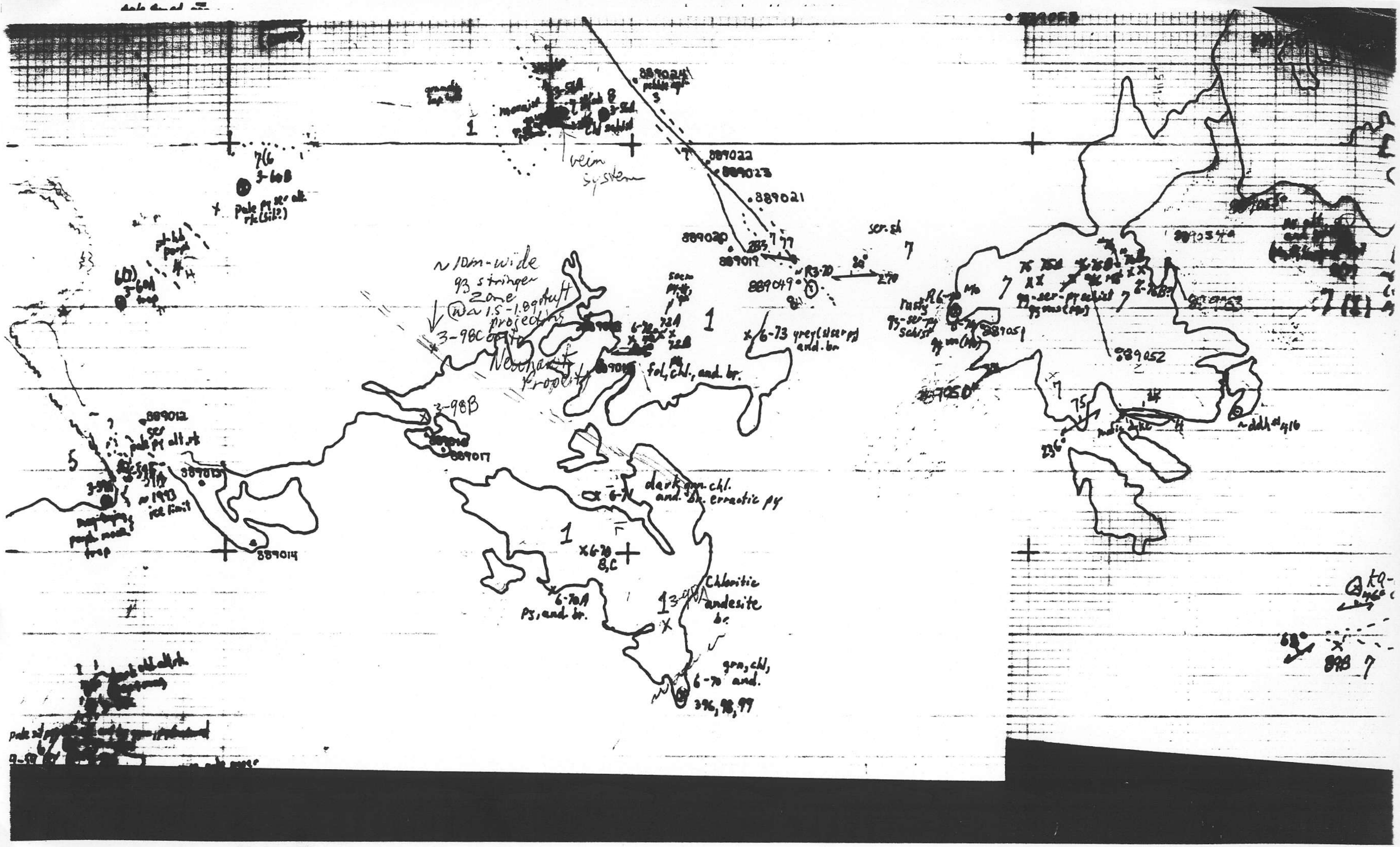
0-144D
py(mo) chl alt. monz.
py (cp)
5(8)
5
pale sil py alt. rk
6
4
dark gossan
Grandac ddh
mo py vn 145A
pale sil py alt. rk
6
0-145B
py (mo)
grn-grey
chl py alt. monz.?
Cu stain on fractures
8(4?)
0-145C
(mo)
0-145D pale grn chl sil py alt monz.?
8(4?)
145E minor cp
py chl alt. monz.?
dark gossan
~12°
pale sil py alt rk
@ fg. rutile needles
0-145F
6
late mafic dyke
pale py alt. monz.?
4(6)
pale gossan
0-145G pale py alt pl-hb porph.
4(8)
145H
pale py alt. k-spar (Premier?) porph.
tr. mo
4(8)
49°
py chl grn alt. pl-hb porph. (minor k-spar)
8(4)
145I
py chl alt intr. rk?
8(4?)
Pale gossan (talus)
dark grn pl porph.
4
numerous cutti...
9-51A
75
py calc
78
py (ser)
3-54C
4(8)
green ep-chl. (mi...
pl-hb p...
3-54D
(la...
4(8)
5(7)
3-54E
pale py alt. Pre. alkali feld.-hb. porphyry
core
78
3-54F
2 late mafic (dior.?) dykes
KD-93-54G
5(7)
pale py alt. seds.
55
3(7)
py vn
rg
0-146A
bl. arg. & lst
grey s.s.
3
48°
pale py horn. sed. rk
146B
146C dark ls Conodont Sample
3(6)
sl. alt. k-spar-hb porph dyke
@ diss. po (Sulph. Porph.?!)
5
0-147A
Cover
bl. arg. & grn alt sed rk?
148A
3(8)
3
148B
and br.? 8
1
pale grn-grey shattered alt.
(carb py) @ asp stringers over 3-4m
Cover
3(8)
148C
149A
albite-hb-pl? porph.
5(4?)
5
149B
5
rusty
3
bl. arg 6-7?
7-112
3
230
7-111A
6-8
sl. pale grey carb, ser, chl, po, py alt. rk
(late barren cal vns)
7-111
6
~30°
6
0-164C
0-164D
R7-45
7-110 (0-164, 109A)
hard pale grey py (stockwork) alt. rk. (tr cp, sp?)
'Chibougamau Showing'
7-110A ~3m
cp-py-Au ductile Shear (~054°/80°NW)
rusty steep canyon
cover
-62
pale py alt. seds.
3-55A
3(7,6)
27
218
py alt alkali feld. por.
(mal. azur on fractures)
5(7)
McQuillan Zone
3-55B
Cover
3-55C
3-55D
pale intensely alt. (ser, carb) py rk.
7(6)
moraine
cover
Slide Cover
6(7)
6
o/c
pale gr... alt. r...
~7-109
pale grey sil.? (alb?) dense py alt. rk.
~7-109A (sp, gn cal stringers)
Slide Cover



Mitchell Glacier
N
1:5000
R.V. Kirkham
Nov 22 1994
Mitchell Zone
Some 1993 anomalous Acc samples "highlited"
Very preliminary locations only
5-10% qz vns
pale f-med. grn qz-chl-ser-py sl. fol. andes?
8(7,1)
sl. schistose qz-chl-ser-py alt. and.
(5-10% qz vns)
~40-50% qz-py vns
10-20% def. qz vns (py mo cp tetra)
7(8)
qz-ser(chl)-py schist
30-35% qz vns py mo cp tenn
6-113
6-113A
6-112G
pale qz-ser-py schist
6-112F
~15-20% qz vns
6-112D
6-112C
qz-ser-py schist
Pale qz-ser-py schist
6-114A
6-114X
6-115A
113D
113C
113E
7
5000N
3-74D
3-74E
300
82°
6(7)
7(6)
7(8)
3-75E
3-75C
3-75B
48°
qz-ser-py schist
3-57E
3-57F
3-57D
889077
889076
889075
889074
889073
889071
889072
889070
889068
889069
moraine
old camp site
6-87 qz-ser-py schist
6-86 qz-ser-py schist (minor mo, cp)
6-85 qz-ser-py
KQ-86-111
6-110
3-78E
3-74D
3-74C
889028
889029
889027
889026
889024
LIN
3-60G
pale py alt. rk. (minor cp)
3-60F
3-60E
6 py pale sil. alt. rk minor cp tenn
3-73E
minor qz vns
2-10cm qz vns
cover
3-85D
pale sil. py alt. rk
3-85C
3-85B
minor cp
moraine (cover)
3-58
3-59
889066
889065
889064
889063
slump scarp
cover
7(8) Deformed quartz vein stockwork
3-84D
moraine (cover)
3-99A
3-99
3-98F
3-98E
3-98D
1400
5
6
7



Cover
8-58A
f.g. monz.?
leached o/c alt. monz.?
8-57E
alt. monz.? qz vns (cp, py)
8-57D
f.g. pale py alt. rk
3-95A
malch. stains
10% qz vns
barren f.g. qs mag-bearing monz.?
chl. py pl-hb porph.
3-95C
mod. grn alt. chl. py pl-hb porph. (minor cp)
3-95B
pale alt. monz.? minor qz vns minor py cp mag
5-10% qz vns
3-95D
grey py hydr. alt.? br minor mag trep (minor biot.?)
barren mag-bearing monz.
3-95E
mal. stain
Syenite?
maroon-grey monz. or sy porph. (minor py, trep)
3-95F
R3-4
3-95G pale py sil.? grey alt. monz.?
moraine
pink-grey f.g. monz. (dist. mag.)
bist. mom.?
8-57C pale py alt. and.
3-65G cp
3-65H
3-65I
mar. sy propyl. qz vns
3-65J cp mag
3-65K
trach. sy qz vns mag. cp py
2-91A br
minor cp
6-92D (float)
R6
pale grey alt. rk
6-92G
6-92H
6-93A
6-93B
6-93C
py alt. minor mo
ser. py schist
trach. sy
dark chl. zenoliths (minor cp, py)
pale ser. py. alt. rk
6-91A
6-91B
3-70D
qz-tour vn (3-70D)
3-70B
3-70A
R3-13
6-88A
6-88B
py alt. meta vol. rk.
sy-qz dykelets
pale ser. py. alt. rk.
pale sil. py alt. rk
7-106 F.G
cut by mar. qz tr. cp
mar. syen qz
biot. alt.?
7-107
3-69D
3-69E
trach. syen.
Zircon sample
7-107A
7-107B
qz ser py schist (minor mo?)
6-93D
6-93E
6-94
chl. ser py schist @ qz vns (minor cp)
2-100B
chl. py alt. and @ 20% qz vns
R6-15 (6-95) (toe of ice 1986)
~1986 limit of ice
chl. and
2-100A
6-116
chl. (ser) py alt. and 15-20% qz vns minor cp
115D
115C
py chl schist minor cp
6-115A
chl py schist @ 5-10% qz vns minor cp
6-115B
20-30% qz vns
6-115
R6-19
6-114
6-114A
grn chl. (ser) py schist. and.?
ser zone @ qz vn @ cp py tourn
5-10% alt. qz vns
40-50% qz vns
5% qz vns
6-113D
Mitchell Zone
6-117
mas. chl. alt. rk @ 15% qz vns (minor cp)
Mitchell Creek Zone
highly sil. pale alt grey py rk minor cp
R6-16
6-96
6-97
6-110
6-118F
6-118D
qz ser py schist @ qz vns @ cp, mo
dark grn py chl. alt rk
6-117A @ ~15-20% qz vns minor cp
6-118A
qz sp cp vns
ser py schist
pale alt sil rk
5
6
7
8


889024
pebble cgl.
vein system
889022
889023
889021
889020
889019
ser. sh
889049
R3-70
270
30°
7/6
3-60B
pale py ser alt. rk (sil?)
3-60A
~10m-wide qz stringer zone
w/ 1.5-1.89 g/t Au
projections
3-98C
Newhawk Property
6-72
6-73 grey (sl. ser py) and. br.
fol, chl., and br.
3-98B
889017
889012
ser
pale py alt. rk
889013
~1993 ice limit
889014
3-98A
dark grn. chl. and. br. erractic py
6-71
6-70 B,C
6-70A
Ps, and. br.
Chloritic andesite br.
3-99A
grn, chl, 6-70 and.
396, 98, 99
rusty qz-ser-py schist
889051
889052
qz-ser-py schist
6-76B
889050
mafic dyke
236°
~ddh 416
88B
1
7
5
8