

R V Kirkham
 Mitchell-Sulphorets
 803573 1990

Book 4

1

Date	Sta. No.	Spec. No.	Location	Pages
5/14/90	162-164		Mitchell-Sulph. Ridge (W) - Dib. Zone	3
5/14/90	165-171		High Ridge E. of Treaty Gossan	39 1/14
15	172-177		North of Sulphurets Lake	10-14
16	178		Kerr Property - "Bore"	15
17	179-182		Ridge W. of Lower Treaty G.I.	15-19
19	183-186		Atkins of Treaty G.I. E. side	20-22
20	187-189		Estay Creek - B.C.	22-24
21	190-192		Estay Cr. Challenge	24-26

Amas

10/2

Er

@

en

rough

2

1

1

Mitchell-Sulphurets Ridge
& Chibougamau Zone

Wed. Sept 12/90

Sunny!

Photo - G8908051-8-254

OKO-14 - 1723m

- flat top of ridge
- small ^{small} ~~small~~ ^{area} ~~area~~
- ~ 200m SW to top of ridge
- late monz.

biag.-bearing Christmas
porph. @ minor cjt py
KQ-90-162H

- chl grn alt. monz. ? for
~ 50-100m W @ py + cp @
increasing py W + then
more py alt pl.-hb porph.
for ~ 80-100m[?] + then
mainly ^{ms. of py} ns ed. br (cgt) @
little structure for ~
300m[?] to breccia @

- bedded arg. clasts
 - "sed." breccias are
 poly lithic
 - some evidence of
 soft sed. deformation
 @ buckled clasts &
 ragged edges on arg.
 clasts & indented by
 pebbles
 - no strong fabric in
 rock - stronger fabric
 towards fault to W
 - couldn't find mylonite
 in creek
 - lunch spot ^{4?} 1390m
 - to E small ofc's pale
 grn - grey py alt
 sept. nts?
 (bedding not obvious)
 - ~ 70-80m E same elev
 KQ-90-163A

- ~ 50m E in stream 2
 alt. py pl-hb porph
 dyke? 163B
 - ~ 100m SE on contour
 1490m bold ofc below
~~shale~~
 mas med. ~~shale~~
 - grn py (~5-7%) alt.
 pl-hb porphyry
 KQ-90-163C
 - ~ 25m farther several
 boxes old Grandee
 (1968?) core ^{mag.} pl, rock
 lower part of hole
 pl-hb geodes
 sample 163D - ⁴⁷⁰ dth
 - ¹⁷⁷ sed's?
 (~5-10% py) - some py
 debris material part of hole
 ~ 460' deep
 - ~ 90m ENE to sl.
 knob 1520m
 163E

Flew to Chibougamau
Zone "S" chl py cp sericite
Schist (164A)
sample



on S surface

205°/40°

164AA oriented sample
FW - sericite schist
towards S (288°/15°)
S surfaces offset
by C1

~ 20% sulphide (2 py, 2 cp)
KQ-90-164 - chips
every 10-20 cm
across zone, not
very accurate -
probably sl high
grade local
schist

3

flakes away
from sulphide)

- S surfaces outlined by gal py top
zone ~ 3m wide

164A - high-grade
pieces - especially
20-30cm from
hanging wall

- zone is ~ 3m wide, with best
grade apparently near hanging wall (~ 20-30cm)
& then ~ uniform through zone by py schist
FW
form 200m

164B -
FW rocks

~ 3m in FW
highly alt pale
grn-grey py (sed?)
(too highly altered
to be sure of rock
type)

164C - HW rocks (py grn alt. rk.)
~ 3m above zone
- similar to FW

- camp 590m

Summary

- 1) Breccia - soft sed. deformation in debris flow
not tectonic
- 2) Couldn't find any biotite
- 3) Chibougamau Zone brittle-ductile shear

High Ridge East
of Treaty Gossan

Friday Sept. 14/90 Sunny

- photos NE N,
W (Franklin St)
(N. Mitchell - Pit. Pledge)

① RO-15 - 2235m

- Matterhorn plat
- KL - 90 - 165A

- med. grn - grey amyg.
and breccia @
scattered pale hard
rhy (4 clayite?) (Dilworth)
fragments (to max. 10cm)
- Could be strat. above
Dilworth

- relines:
grn - grey grn
and, br + buff + lap top @ felsic frag
- ~30-40m + strat.
 - ~100m W down steep slope
 - 1185m
 - 165B - shows

felsic clasts 4
(geochem. sample
fewer felsic clasts)

- dip slope?
- $015^{\circ}/36^{\circ}$ E v. poor
on possible 30cm
br. beds @ amyg. and
frags to 10-20cm
- 1-2m faulted and dyke?

- ~200m W - photo E
to show N-dipping
dark sed. rts truncated
by more steeply N-dipping
shear zones with
overlying more mes.
vol. rts

- 2142m - felsic
fragments in lacustrine
sed. rts + X-ray fr. thro
lap
KL - 90 - 165C
Many felsic frags where?

- loss of felsic, frothy
(frags) 1/40 tuff unit
W a 1-2% diss. (3)
(same as unit on high
ridge to south)
~30m W 027°/29°SE
poor on disrupted
bedded lens

~15m W 012°/43°SE
fair on bedded
tuff's top. tuff
steep pitch

~15m strat. (~20m W)
pink grey mas. (sp.
tuff @ ~1% diss.)

- ~15m W - rusty
weathering bench

2090m

frothy rhyolite

(amyg & qz phenos?)

KD-90-165D - shows
frothy texture (frags?) &
qz? phenos

- small NS steep shear
- ~15m W

165E - pale
grey amyg and?
pillow lava (10.5%)
(chl & cal? amyg)

~80m W on ridge & then
~50m + S down slope
(in pillow lava shear
contact to east side)

~130°/45°E is
2000m the attitude of the
shear (photo)

- bl. arg + lesser
grey s.s. below
lower lens

folded
- 002°/65°W good
182° on bedding in first
block? (contacted nearby)

092°/45°N poor
on poor developed
spaced cleavage

340°/30° poor
on clv. (plunge) intersection
@ bedding on bedded
surface

343°/37° fair on
plunge of fold.

upper limb (overturned)
086°/34°W
fair on bedding

- 097°/60°N shears
in base of
overlying pillow lava

- ~80-100m NW
up slope to ridge
across shed
Amalg. pillow lava
& lesser tuff
~50-60m strat.
of amygd lava

- then ~120-150m
W on ridge crest
L no o/c in @ raine
but some vol. o/c below

① R0-16 - 1936m 6

- knob on
ridge - grungy
med. green - grey
closely packed poly. lithic
lapilli tuff 165F
- possible sed. but ???
- " moderate (40°?)
dips to SW but
cannot be certain
of bedding

- ~20m W

- 025°/83°NW fair
on bedding in
draw to S down slope

- telephoto - (reverse fault)
it dark seds interlayered
(w max. vol. to NW)
ridges to S + S. Kintin
& local trail zones

~ 60m cover on moraine & then high sheared & brecciated. and. for ~ 150m NW along edge of ice & many gash veins & chloritic slip surfaces
- significant fault zone

- 1826m base of ice N side

092°/48°N fault on fault (brittle ductile ~ 10-100cm wide) bounding sh. sed. S of sh. and N
- gash veins indicating N side E
- some subhorizontal

082°/72°N fault to 900' on sh. lime fossiliferous (brachiopods) grey S.S. & bl. arg. ~ 2-5% op. possible one ammonite

but could not get out of rock & rocks highly sheared

- ~ 25m strat. of sh. sed. rts.

~ 70m NW 1839

9m gash & amygd. and br. (a block) to > 300m

- minor pu
- some bedding but v. sh.
- for ~ 80m WNW up slope at top of talus because mainly mas. qtz. & p. of then sharp ~ 1/2 contact

1863m - ~ 10m before ridge crest KQ-90-167A

v. rusty - weathering pale grey, alt (sil. pu (w/ 30%) feld. porph. can see phenos & uniform well in talus blocks

- ~ 20-30% m.g. poly twinned
pl. phenos.
- porph body 740-50m
wide
- started down ridge
to W
- teleprobe ridge S-imbrite
+ NW Bowserk. Crp
+ top of Hazelton Crp
- went down N side
of ice
- ~ 100m^W some
pl porph - some del. alt
- 1790m pt. of o/c
167B - med. gra
(~~alt. py~~) highly
alt. py (~10%)
porph.?
- for ~ 200m down
N side of ice to
W same pyritic
alt. porph

- white w/ath. 8
o/c are rhy. + sericitic
- to 1715m pt. of o/c
in ice high
structure sil. alt.
rhyolite? KL-90-168A
- sl. py
- ~ 100m E of end of ice
pale py
- ~ 50-60m rhy W
- ~ 20-30m v. py + v. rust
- rhy. (?) (~10%) 168B
- 1687m
- ~ 20m to end of ice
- some v. prominent
sericitic schists to
W
- ~ 30m o/c in ice
1675m - pale med
py (10-15%) sericitic schist
KQ-90-169A
- snow below

- ~25m W

2570/40° W W poor
on schistose in
same ^{valley} py ser schist

- same schist (py ser)
for ~100m W to
base of ice ^(group) 1620m
KQ-90-164B

- some grey schists
> 20% q. dissp.
- schist has been
crumpled & sheared

~80m W 105°/75° W
poor on sheared
& faulted py ser schist
(below lowest snow)
- also faulted dikes
& veins in schist

~75m W L17400 W 200S
1585m
same sh. py ser schist
169C

~150 - 180m W 9
downstr. ser py
schist (cemented)
gossan top
of very sil. py
alt. porph. 270
S KQ-90-170A
1530m

L17100 W 0750S

- base of sola ice
- no o/c for ~
250-300m on
moraine ~100m S
of Str.

400m brow of hill
- ~200m E of glacier
py alt qtz pt-hls
porph? KQ-90-174A

~100m L17100 W 200S
1350m
200m L17100 W 200S ^{minor} d3 veins
1350m
1350m W at ice L17100
py alt. vol. rk?

or pl-hb porph?
(~~no~~ ^{no} ~~no~~ ^{no} diss. py)
& oxidized py vein
(i.e. must be leached
o/c)

this is a very
intense peritic zone
med. dr. grey
pl-hb porph.
(might be tr. ep???)

647m Camp

Summary

- 1) Andesitic & rhyolite volcanic rocks
- including Dilworth? rhyolite in
fault contact over Bowser Lake
Group or Salmon River Fm. sed.
rocks
- 2) Dilworth rhyolite frags. in overlying
andesitic volcanic breccia or lapillo
tuff (destruction of a rhyolite
dome?)
- 3) Some very intensely py (ser) alt.
rocks adjacent to the rhyolite

North of Sulphurets 10 Lake

Sat. Sept. 15/90 Cloudy, rain

- started @ pt KQ-90-163E
- rusty py alt. pl-hb
porph. 1525m

- ~20-30m SSE down o/c
same alt. py porph but
@ Cu stains on fractures

- ~50-60m SSE (top of 2nd
main o/c) - highly fractured
(difficult to get good
sample) alt. porph. (mon??)

@ ~1-2% diss. py top
@ Cu stains on fractures

KQ-90-172A 1470m

- ~0.3% Cu
- cp assoc. dark
grn chl. slips (alter
zincing biotite?)

- some ser. pu crosscutting fracture zones
- + some late weakly min mag. zone or phyll
- ~100m S - ~20m above talus on lower o/c
- 1427m KO-90-172B
- grn alt. porph. @ diss. pt. no. 30% Cu
- not all equally min some pu of some late dykes?
- but Cu starts in mosi - o/c

- 100m SW 1335_m 11 base of o/c in trees ~20m talus to grass meadow at top of trees
- heavily mag. white stained o/c alt. porph. KO-90-172C ~0.5% Cu
- ~150m SW down str. meadow draw - no o/c then climbed ~30m to base of cliffs 1265m
- med. ^{green} grey horn. sed. rts @ minor py + cp
- can see bedding but couldn't measure
- ~3m ^{py + cp} alt. porph.

KQ-90-173A

~100m down steep

1225m

highly fractured
py horn + bl. sed. at
faulted

for ~150m straight
down steep str
small moss-
covered o/l
py horn sed.

faulted

1180m

KQ-90-174A

py pl h b py in

@ flaggs

Sumner claim
Post

- went ~250m¹²

W across wooded

slope to find

- a 50m high cliff

1138m base of cliff

078/20°N

poor on bedding

base of cliff

gn hornfelsic
fractured

sed. ntc @

diss. py & cp

(~0.3% Cu?)

KQ-90-173B

Cu status

- ~30m more o/c

more gn horn sed

@ similar dipstn

- some gypsum & anthr?

- ~100m W to base

of next cliff

o/c 1120m

~50m high vert cliff above

- same med. grn
fractured horn
seds @ v. good
+ g. diss cp
(+ 0.5% lu?)
KQ-90-173C

- ~70-80m S down
steep slope to str.
& then ~250m SW
along stream

- large boulders
from cliffs

- 1050m cliff @
stream ~100m
from NW
- cover in stream

~50m SW
major slip str.
from NW @
waterfall above
cliffs ~120m N

- ~200m SW 13
to send instr.
@ 1005m (no o/a
some small o/c
to NE pale py
alt. pl-hb porph.

- followed str to S

- ~70m S 992m
pale grey py (7-8%)
alt. pl-hb porph
KQ-90-175A

- ~30m S grn-grey
dyke rk??

- ~50m S small
o/c pale alt
py pl-hb porph (~7-8% py
(tr cp + gn??)

- more continuous
o/c down stream
some more gn?
specks

~940-945m
~80 SW at bend
in stream to S
KQ-90-175B

- pale carb alt.
py (~3-4%) pt-hb
porph.

- some med qtz
grey alt. dikes?

- scattered o/c sh.
soft horn? green-grey sed.

- ~120m S 880m

- tr. py only

- 030°/25° NW fair
on fault in
dark & green grey
metaseds.

- not very good o/c
mainly moss-covered
top of steep
section of str. (a
waterfalls

- ~80m S 864m 14
KQ-90-176A dark chl. py (~1%)
mylonite? related
to stream fault?

- most o/c's are
sheared in this part
of stream (or flat fault?)
- start of cliffs

- many flat faults
& possible mylonites
~NE/20-30° NW
across top of
cliffs for ~20-30m

- didn't sample rocks
down stream
because probably
in rel. late fault.

- ~300-350m S 30m
W of stream in top
of clear area
dark, weath. 700m
pale py alt. pt-hb
porph. KQ-90-177A
carb. alt.?

py alt. qum roots
down stream

~ 150m SSW
~ 2100W of str.
615m base
of ofc 177B

dark
weathered
part of
ofc

py qum alt.
pl.-hb porph.??

uniform texture
but difficult to
see much of ofc
because so steep

~ 100 NNE of OR 746

- camp 569m

Summary

- 1) Most ofc's too much moss & dark in trees
to see much.
- 2) Possible major, shallow (~20°/30°NW) fault
system exposed below 176A
- 3) KQ-90-173B & C localities are new
& potential important (u/ta?) occurrences.

Kerr Property, B.C. 15

Sun. Sept. 16/90

Sun. 16/90

Siliations in ^{in valley} ~~in~~ field ~ 2km
W of Kerr a (1/2) from
zone

S₂ 170°/90°

S₁ 170°/62°

- landed near West
Fault "A Zone" @
hole # ddh 87-11

1805m
- sed's folded top of zone

- A end of A Zone
& to E along top
of bluff relatively
f.g. massive pl-hb
porph. py alt (alt. end)

- KS 4467 collar site

1742m ~ 10m N "K 87-5"

KQ-90-178 - fresh

blasted med. green

py of rock from B Zone
camp 612m

Ridge West of Lower
Treaty Glacier

Mon. Sept. 17/90 High cloud

OKO-19 - 1680m
crest
- top of ridge
~ 200m N of Hazelton
Salmon River contact
- snow to west

- 126°/48° N to fan
306 on bedded f.g.
dark S. S. & bl. sh.
~ 20-30ms grey
of the main slope
~ 80m S

071°/43° N

169m? on bedding
bl. sh.

KQ-90-179A

~ 80ms crest of embankment
114°/45° N. v. good
294 on bedded bl. sh.

- beds undulate 16°
gently

- 45-26m Fe carb
bedding brown weakly
beds every 5-10m
~ 70ms 1730m
~ 50cm thick Fe carb
beds @ pt KQ-90-179B

- similar in area
Fe carb 175-180m
S. S. bed fan
~ 100ms Fe
~ 10m from contact
to Hazelton
Group

1730m break in
one

KQ-90-179C
small syncline (5m wide)

020°/70° N. bedding

155°/47° N. strike
335 010°/16° plunge of axis

- concretion near
contact could be
related to a fault.

- ~10m SW KV-90-180A
1740m - med. quartz
(a 10% f.g. py) ^{felsic} tuff @ a few small
lap. frags - nice
looking porphyritic rock
sharp contact w/
overlying sed.
- might be a fault
in this area

- ~150m W up dip
slope to first peak
1787m
KV-90-180B
cherty rhy (w ~20%
f.g. diss. py)

~5m S (total) lower
part of unit is rhy,
br. @ 5-10cm angular

clasts of them 17
more f.g. py up
west dip slope
~80-100m S 1800
sh. breccia similar
rhy br. unit @
chalcedonic spz
matrix (shale) ^{to}

1800 - ~1-3%
- might be gone welded ^{to} rhy
- shutter on camera
not working
- some chalcedonic spz
cemented br

~80m S 1820m
East Peak
- same py felsic
(no intermed.) rhy

~30m S
1330/350 E ^{fairly}
good
on bedded lap tuff
of tuff

- ~ 30m? strat. of
part - f.g.
in' tops of br. hollow
(a chaledonic of
matrix - 2 units?)
- lapilli tuff & tuff
units and granular
grt - grey & crumbly

- ~ 150m W to
top of West Peak
- back in' rhy.

OKO-20-1830
- West Peak

- ~ 20m SW

KO-90-1800

- base of the unit
some 40-50cm
layered rhy blocks
- autobreccia
- some 10m long
flow layered & fold
has grey-green rhy blocks
picked flow-layered rhy

for a analysis bed 18
also kept sample
of chaledonic of
cemented by silica

- headed S down
steep slope

- ~ 20m S

- 127°/37° NE, fair
307 on bedding

- ~ 20m of grey-gra
buff crumbly
lap tuff to cgl & tuff
& f.g. S.S.

- ~ 20-25m cliff-forming
med. pink grey lap
tuff units well bed.
of ~ 70-80cm str. of bl. arg.
- contains
~ 130m of part

138°/62° N, fair to plus
1712m³¹⁸ on well-bedded
bl. arg.

- too steep to cross
beds

went down fault
creek (W blocks)

~ 10 - 15 m mas
fractured amygd. chl. cal. p.
and. KQ-90-181A
& then more well kept
bl. arg
~ 50 m S

1665 m in creek.
"major" fault
1640/85° @
long-angle. S plunge
slickensides

~ 5 m S 181B
bl. arg.
- ~ 15-20 m ?? strat.
more bl. arg
& then cover down
fault str. (>100-200 m?)
- in cliffs to E looks
like ~ 30 m pillow
lava overlying
~ 15-20 m faulted
bl. arg on top of Haz. on

~ 100 m before ice pu alt
field. purple chert matrix. 19
O R O - 21 - 1480 m

- ~ 200 m E of
ice
- grn & some
maroon, epidotitic
fine polyphyric pu
and br.
KQ-90-182A
- photo br.
- sl. rusty zone at
top of Hazelton Group
- many faults in area
- patches maroon
& pyroclastic alt
- ~ 250 m S toe of
ice 1500 m
of 182B - typical
of pu alt. and br.
also some mas
and
- some pu matrix br

sed. debris flows

KQ-90-183D 1857m

(below main trench)

D-Zone qz + py + gn
± stibnite in ser. alt.
rocky - deep weath.
(10-15cm wide qz sh)

~250m SE across ice

"C" Zone talus trench

KQ-90-183E - blocks of
qz vein material @
stibnite? in qz

East side Treaty Glacier
(below gossan)

RO-23 - 1297m

- ~15-20m above

ice

005°/55°W fair m. bed

-sh. bl. arg. overlain by
amyg. andesite

KQ-90-184A - amyg. and @ 0°/0°

to E ~7-8m + wide 21
barren tectonic qz vein
system in fractured Y
sh arg. - only tr. py
(sil. fault zone?)

- ~200m N along ice
(pt. of d/c) alt. grey. sil
rk. tr. py

- ~300m cover - 120m - in
moraine - below spire -
buff weathering, grey S.S. (tr. py)

KQ-90-184B

052°/60°SW poor on bedding

~250m N @ edge of ice - evidence
of faulting 048°/36°SW v. poor
on bedding

- grey S.S., mud chip tip-up of
minor bl. arg. (neg. alt.)

- ~200m N 1109m - bold dc
in ice sl. maroon - grey
Premier (2-feldspar) por. ph.

KQ-90-185

- unit extends for @ least
200m N along ice @ seds.

40 E

- flow layered (hermatitic)
in places (photo) - probably
is extrusive

- ~10% scattered large
pink K-spar phenos. @
smaller alt-green plagi.
phenos

- green S.S. (bl. arg) @ gash
veins 40 E

- ~200m 64°/55° SW poor
on bedding - highly fractured
buff-weathering grey S.S.
- minor arg.

- crossed fault?

① RC-24 - 1065m ~200m N

- ~200m above ice/wall
near end of of a glacier
junction 150°/vert. poor
on bedded grn S.S. cgl /
and br

KQ-90-186 " "
chem sample S.C.

22

KQ-90-186 - grn cgl
(LC sample adjacent S.S.)
- more ^{grain} discrete breccia
to end of c/c

- camp 940m

Summary

1) New Atkins min. is
subtle & of uncertain
nature, orientation &
distribution. It might
be near the Stuhini -
Hazelton contact @
several sed. or debris
flow units.

2) Along E side of Treaty G.
mainly grey S.S. with
dip at mod. angles to SW.
No major crossers in area.

3) Jack + Mariettes high
py (native Sulphur) samples
are very interesting.
Hopefully they contain iron.

Estkey Creek Deposit
Thurs. Sept 20/90 rain & fog

- discussion @ Gerry McArthur's
- & core examination A.M.
- & examined mine dump
- & road of's to drill
- tool shop in P.M.
- couldn't go underground
- because of cave-in
- Orebody dimensions
- 2-60m
- 1500 x 250 m
- av. 10-20 m thickness
- contact and minor
- zone (21 A & B)
- estimate 5 million ounces Au.
- 10m limy beds top
- of Salmon River
- on top of vol.
- Salmon R. is limy &
- Bowser is essentially
- non-calcareous detrital
- beds

alteration

23

- early (F) chl.
- overprint by (Ba)
- sericite alteration
- some hanging wall dol. at?
- (or beds?)

Samples

- # 23-71.9m carbon, mat. in quartz
- # 89-37m carbonate alt. in arg
- # 109-130.1m qtz matrix or
- # 165-197.8m diorite vesiculated with
- # 214-~~185~~55m ^{may} barite ^{contact} zone
- # 64b-205.5m mas sulph. py sp cp

- 205 holes to Dec 1987 &
- over 400 since
- drilled @ 25m spacing
- also drilling deep in
- Adrian ground at
- Porphyry Zone

bedded
 possible basin configuration



Possible vent systems
 in basins along growth
 faults

- more typical mas. sup.
 one to N.

- from Unak R. to Argillite
 Cr. all units dip West.

- no major folds

- Argillite Cr. Fault gently
 cuts out stratigraphic
 + brings Bowser R.

rocks against Betty Cr.
 cutting out Diksworth
 + Salmon R. formations

from 865m level 24

- KQ-90-187A
 typical well-bedded
 grey sp. high-grade beds
 in black argillite
 - some soft sed. diff. ^{change}
 187B - ser. & py. rich
 beds in bl. arg.
 187C - ^{to} ~~horizontal~~ ^{top} argillite
 dolomite ~~in~~ beds

KQ-90-188 - 3 spec.
 from surface of trench
 of alt. py. FW argillite
 (~30-40m? below arg. contact
 zone?)

KQ-90-189 - med. green
 grey pl. - ~~to~~ ^{to} ~~py.~~ ^{py.}
 mas. Hld. and ~~py.~~ ^{py.}
 pillow lava for. ~~py.~~

- only small ~~of~~ black
 and @ white crusts

- no major expression of
 one unit ~~of~~ ^{of} except ~~many~~
 rusty ~~of~~ ^{of} in area

Estay Creek,
Underground

Fri. Sept. 21/90 rain, fog

Steve Kenwood
John Dutton (sp?)

- went down decline
~ 300 - 400 m to
865 m level - crossed
into one

Specimens

- KQ-90-190
- typical dacite
unit with lapilli tuff
- decline ~ 70m from
portal
- KQ-90-191A - FW
rhyolite - chlorite
sericite alt. p.
Pumphouse Lake
Zone (FW-#2)

~ 0.4 oz Au over 25
~ 15m - ~ 250m from
portal a decline

KQ-90-191B

- highly altered FW
rhyolite 865m level
- ~ 7-8m below
argillite
- py ser (chl) alt.

KQ-90-192A - lower
py beds (~ 0.2 oz/t Au)
~ 5m

KQ-90-192B - gn-sp
one beds -
(~ 20-30 in one section
~ 5-7m? section in
bl arg.) - (one
~ 20cm thick)
- detrital graded
beds - turbidites
- graded - scoured
bases - 1 not grade

~ 1m breccia arg. at
base ~ 5m lower
pyritic well-bedded
arg. @ carbonate
(dolomite xls - dismembered)

- below qn-sp beds

- ~ 5-7m well-bedded
bl. arg. @ qn-sp
beds overlain by
~ 5-7m well-bedded
arg. @ pale sericitic
pyritic / tuffaceous?
beds

- Pump House Fault
~ 60m normal
displacement ~ 1.5m
gouge

- little alt in dacite
but some values
in lower argillite

- some reverse faults
in FW 26

5 pale ser. py. silts
3 ore beds (gn sp) - carb bed
pyrite beds
alt. & min. arg. ch' py. zone
FW 19
21-25 D1

Lower arg. low Fe
~ 50cm py. as 4 alt
Dacite = 'exp.' bed

Fragmental and

Sketch Strat. Section

- down section

- ~ 4-5% Zn (+Pb)
in S part 21B zone
+ 10-15% Zn (+Pb)
in 11 21B zone
& ~ 6.7% Cu