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Vic claims

JUL 12 1985

LG + JP

MINES LTD.

(115 I/3)

PER _____

June 21 - June 25/85

Location: - approx. 2 kms NW of Victoria Mtn
- N. edge of Mt. Nansen Camp.
- on ridge between Iron Ck + Klaza River

Owner: Gordon Dickson of Whitehorse (667-7059).
- restated Nov 24/84 by owner.

Rock Types:

R. gfp body (in area of JS, ER) - grades from aphanitic to subvolcanic to intrusive at lower elevations. Commonly pinkish to greenish (near Gdi contact)

A lapt - At, Ap (fsp) - in Kerr camp area, fresh, med green colour
- relationship to Rgfp unknown.

Sy/GR,

HbG - with anhedral xl aggregates of Ksp to strongly Ksp porphyritic (40-60% Ksp). Euhedral Ksp megacrysts up to 2cm long.
- Hb generally 20-40%, fsp phases up to 70-80% Hb
- Qtz > 10% No. ~ 10% variable Sy → Gr
- probably equivalent to Syenite in old reports
- ep, q-ep^{cat} fine stringers common in relatively fresh rock in areas of trenching - some noted in proximity to Ap-Di dykes.

- also minor ^{to strong} potassic alt'n of HbG in areas of trenching.

- lin. fracture set thru HbG in Tr 5 at 062°
- Pegm (Q-KF) vnts - common, but irregular

- Strong C alt'n in part
- minor ser alt'n in part
- Prop. common.
- MGNT common

- Hb@M-GDi - phases of HbG?
- generally finer, equigranular
 - in area of Tr 1-2.
 - in area of upper Trenches → few indistinct Ksp phenocrysts.

Dykes: - cut HbG - HbGp(Ksp) → i.e. porphyritic Hb Ksp G

- Strong Lim, weak R, R(q)fp common. :- commonly aphanitic to feldspar porphyritic to rarely q.f. porphyritic v. rare.

- Strong Mn-dendrites on fract. charact. and ± q stringers to q. stockwork. v. limonitic + dy alt' also

- in trenches commonly with sericite alt'n
- trends of dys thru HbG;
- some chl-ep-CO₃ coating of fract.
- often banded @ contact (unred, im)
- looks like a volcanic.
- some su. lim specks = ? CO₃ = felsite dy +/or su.

trend	width
055°	0.5m
075°	9m
085°	7m
062°	7m
180°	7m
075°	2m

RD-DAW/ crowded fs. often L. blocky fract! use fisherman other rocks

A, Ap dys - grade to ~~Dip~~ with anhedral - subhedral fsp phenos (25-30%)

- occasional ep ± cal. in fractures
- occasional hematite staining
- occasional cal. veins in proximity to and within dykes (110° / 20cm width)

- trends of dys

Di	060° / 9m
Dip	030° / 10m
Di-Ap	055° / 7m
Ap	120° / 2m
A	040° / 1m

- fresh to weakly clay alt'd

GDi - QDi dys : equigranular ± hematite

? QM-GD, med-f gr^d intrusive 120° / 7m

- Possibly related to "A, Ap" dykes (RD-DAF) 120° / 8m.

Mineralization + Alteration

3

Two major types of quartz veining occur based on host lithology and style of veining.

- 1) - as massive to drusy veins in altered HbGp (Ksp).
 - max. vein width noted is 70cm ^{short lengths}
 - q. stringer zones ~~are evident~~ within the altered intrusive are evident around those veins observed *insitu*. Stringers extend ≈ 30 cm on either side of vein.
 - the altered zones consist of mod.-intense clay alt'n, ^{weak} sericite alt'n, w-m.lm. and m-c. Mn along fine to very fine fractures, \pm q stringers.
 - The Mn veinlets commonly trend $60-65^\circ$ and ~~are~~ ^{occur} even in the relatively fresh G ~~and~~ in which they are surrounded by clay alt'd envelopes.

The above mentioned alteration zones ~~are~~ within the HbG to HbGp (Ksp) \pm stringers are common throughout most of the trenches, although qtz veins not observed in most cases due to predominance of float.

\therefore possibility of these zones being proximal to

q. veins.

- cut off by faults

- 2) - as drusy to massive quartz to chalcedony stockwork breccia veins in R to Rfp dykes.

The R is characteristically accompanied by mod to intense sericite alt'n. and clay alt'n of the fsp. ^{when they are} ~~when~~ present. Minor Mn staining is often present but much less so than in vein type 1).

- occurs as much finer stockwork ~~veins~~ than in the alt'd Hb.G.p (Ksp).

i.e. generally 2-3cm wide veins in stockwork

with peripheral fine stringer zones (1-5mm)

- max. vein width about 6cm within stringer zones that are up to 17m wide.

- Several occurrences of R. by with fine cryptocrystalline qtz. surrounding R fragments and silicifying host are evident with Mn staining and limonite. These may be peripheral to q. stockwork by zones in R but occurrences not observed insitu. One ~~zone~~ ^{of these} zones occurs \approx 25m W of the VIC claims trends 040° and is 2m wide x 70m long. (J5R, J6R)

Quartz vein material was primarily observed as float along trenches with original vein locations unable to be determined. The following veins were observed in outcrop.

1) Type ① veins

a) one q vein (stockwork) cuts through Tr23, the pit and Tr27. Trend of vein in Tr23 is 065° and is 35-40cm wide ^(J5R); host HbGp(Ksp) with strong clay alt'n, w-s. sericite, w. lim. and s. Mn along fractures, fine q stringers (J74R). The stringer zone extends 10-30cm on either side of veins. \approx 20m ~~NE~~ E, in the pit, same stockwork found with large a stringers up to 7cm wide (J76R)

(5)

≈ 5m further ~~to~~ E. in Tr 27 - one q vein is 15cm wide and others appear to be present over a 25m width ← (deduced from subcrop - float)
NB Trending does not continue further E. in this vicinity yet veins still seem to persist.

b) In Tr 7, 3 q. vns are evident. The largest is 70cm x 3m long trending 060°. It is traceable over 4m where it spreads out into stringer zone with stringers (?) up to 3cm wide. An adjacent vein is ≈ 20cm wide and trends 065° (both vns J47R). A 3cm wide stringer to N trends 070°. The 3rd vein 3m to S. is 15cm wide (J45R).
A stringer zone is evident within the alt'd intrusive (likely Hb^{KSP}Gp) similar to zone in (a) and occurs over ≈ 2m within 10m wide alt'n zone. (J46R)

c) In Tr 3 a 40cm wide q vn trending 062° ~~before~~ occurs between the R and alt'd G (J30R). It is possibly related to the "G^{type}" since the stringer zone extends into G (J29R) not the R. Possibly G is more favourable host. (?)

d) Tr 5 - 3cm wide stinger(?) trending ⁽⁶⁾ 095° noted in a. ^{H₆ VSP} Gp but larger veins not observed in place.

a) Type ② veins.

a) Tr 6 has an outcrop of R with g stockwork by over a 12m wide zone. Trend unknown. A smaller zone in the same trench has veins up to 3cm wide over a 60cm wide zone and trends 070°; strong sericite a.

b) In Tr 5 an insitu R stockwork zone trends 058° over 0.5m and another trends 075° over 9m. The latter has stingers up to 1cm wide.

Other zones of the type ② ~~type~~ are evidenced by subcrop - float and ~~are~~ reach a max. width of 17m. Trends cannot be determined in these areas.

Two episodes of q. veining is evident but observed only in float. Drusy q. vns up to 3cm wide cut massive white-grey qtz boulders up to 20cm wide. (J10R)

Only rare pyrite was noted in the alt'd G with q. stringers (J11R) and in one A. dyke.

Generally the Di-QDi and A do not appear to be favourable host rx. However, J17R was taken ^{over an} of drusy q stringers (1.5cm) within the A. with bleaching of the host. ~~over an~~ Samples J48, 49R _{from Tr 8} may also have a Di host but host rx was too altered to be sure. This occurrence consisted of a ~~20cm wide~~ q vn from 2 zones with a total 20cm q vn width. The host was m. cl. q., w. ser. a. \pm Mn. Tr 9 ~~may~~ also ~~to~~ contained q ~~in~~ float with a possible Di host.

The upper trenches further to the east of the main trenches (Tr 3-27) were largely snow filled and only briefly examined. They generally appeared to be less exciting. The HbGp (Ksp), which appears to be ~~the~~ a major host rock in main trench area, is less ~~dominant~~ abundant and a finer grained more mafic phase(?) is present ^{with fewer, less distinct Ksp phenos.}. Q. Di is ~~absent~~ ~~and~~ exposed and R dykes are common. A. dykes also evident.

However, alt'd zones were evident within this darker weakly Ksp porphyritic intrusive with fine ~~to~~ stringers up to 4 cm wide ^(J82R). The host is m. clay alt'd with w. ser, w. lim ± w. Mn. The alt'd zones appear very similar to those in main trench area, but are less abundant. Only one alt'd zone with stringers observed but seems continuous through to adjacent ^{NW trending} trenches. The lower trenches (further to w) in this area appeared to be more interesting but snow more abundant in upper regions.

The R ~~breccia~~ ~~stockwork~~ breccia ~~and~~ ^{observed}, with fine cryptocrystalline coatings on rounded R fragments, was present and sampled (J81R). However the R stockwork breccia as in J47R

were not evident.

Qtz vein float was present ^(J80R) but generally did not appear to be as abundant as in main trench zone.

Trenches 1 and 2 to the SW of main trenching lacked q veins and ^{alteration} ~~alteration~~ ∴ not too exciting. Samples were collected from here by Kerr in 1984 and were not anomalous.

Conclusion:

In situ q vns + alt'n zones should give good idea of vn - stringer - altered host relationships with respect to geochem results and geology. The q vn float from trenches should be looked at from geochem standpoint. Tr₂₃ and Tr₂₇ have good q. veins and there is room for further trenching to the E of these

Summary of dyke and vein trends :

Composition OR Host.	Dykes	Veins	Comments
	Trend (Number)	Trend (Number of Cases)	
Hb Gp (Ksp)		60-65° (3) veins 90-95° (2) stringers	Type ① veins → ± 3cm wide, peripheral to larger veins (?)
R - Rfp	58-85° (4) 180° (1)	58-75° (4)	Type ② veins
calcite vns in A.		110° (2)	
A.p. - Dip.	20-40° (2) 55-60° (2) 120° (1)		
QD. - GDi dys	120° (2)		
Old data on vein trends		65-80° (2+) 100° (1) 105° (1)	→ Di footwall

Vic MC TRENCH SAMPLES

YV-5J1R : → 5J83R Trench 1 - q. float + q in HbQM with m. ep. a.

.39	3.775	16	3.8	Pv
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2R: Trench 4 - quartz float from 34m-95m (95m is N. end of Tr)

<.01	.012	9	1.4	P.26
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4R: sil. Rqfp

<.01	.066	16	1.8	P
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3R: Trench 4 - drusy q. vns through intrusive (2-3cm) at 63m

<.01	.006	14	7.2	P
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trend

± 40°
over 70m

5R: Rqfp br - i. sil. Rqfp with remnant i. cl. a.; lim. fsp phenocrysts; light green chalcedony coating fragments.

6R: chalcedony veins with minor ankerite cutting silicified Rqfp.

<.01	.006	17	2.2	P
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TRENCH ⑥

.05	.03	170	9.6	P
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7R: drusy q vns, ± m to s Mn; max 7cm wide; host hb kfdd QMp host s a with m-s Mn & m cl a (20m to 72m along trench)

<.01	.002	55	5.4	P
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8R: q bx; rounded R frags, minor fine q str, s rust & Mn includes minor q cal bx; bld float (@ 105m)

<.01	.012	97	7	P
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9R: Rbx, s ser, white to greenish; matrix q massive cryptocrystalline (max 3cm wide) to near coarse drusy (60cm wide zone) s Mn masses & vns; trend 070° @ 132m

<.01	.016	33	3.0	P
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10R: q vn blds; 2 stages vns ① massive cryptocrystalline white-grey ② later drusy

(0 to 100m)

.13	.512	130	30.0	P
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11R: s a Int? (QM-G) with massive white q, numerous Mn patches & str, tr anhedral masses py; possible As stain (0 to ~100m)

.06	.336	73	9.6	P
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12R: q vns in w-m cl a w-m ser w-m Mn & lim Intrusive (105 to 119m)

<.01	.008	33	7.6	P
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13R: Intrusive, i cl a i ser with drusy q vns up to 3cm wide zone 2m wide (119-121m)

<.01	.003	75	29.0	P
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14R: Intrusive; m cl a s to i Mn as crisscrossing ~~road~~ str to 2mm wide; dk rusty (105-106 & 121-123m)

.02	.074	73	12.6	P
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15R: q vn with Mn str in scl a, m? ser ^{Int.} ~~(Qm)~~; vn width variable max 30cm, v w lim (137-137.5, 135-136m)

.08	.33	110	16	P
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16R: q str < 2mm irregular often with Mn str (1-2mm), often marring up to 3mm rust & Mn; host scl a m-s ser Int 134-135, 138

IV-55 17R: g str with Mn, up to 1.5 cm in bleached & unbleached
C.01 | .002 | 74 | 3.6 | 5A; some str coarsely drusy (151-153m)

✓ | C.01 | .002 | 17 | 4.0 | P

19R: bx, i sil R, rounded drusy & crypto g coated frags w Mn, w lim; g white & clear, as bld scattered along trench (160-204)

✓ | C.01 | .010 | 310 | 13.8 | P

19R: R dy with guns & str, max 1cm (204) ← (160-204) ?

TRENCH 3

20R: g bld float, composite; fine to coarsely drusy white-clear v w lim (0.5-75)

✓ | C.01 | .003 | 27 | 4.8 | P

21R: g bx, rounded crypto g frags set in aphanitic siliceous matrix, minor fine drusy g in open spaces w-m Mn, w lim (likely R ± ser) (20-25m) blds

✓ | .01 | .004 | 73 | 13.8 | P

22R: Int, variably a w-m cla ± w-ser with fine g str (max 3.5 cm) w to m lim; occasional cal ^{anhedral} mass (10-20)

✓ | C.01 | .004 | 45 | 9.0 | P

23R: Int w-m cla ± w-ser w lim w-m Mn, g vns & str zone as local subcrop, occasional fine to coarsely drusy g along str; stringers criss cross - multiple sets (73-75m)

11.8? 46
15
13
12
11
10
9
8
7
6
5
4
3
2
1

24R: float g & drusy g bld. 75-198

25RA | .01 | .272 | 71 | 4.2 | P

25R: similar to J23R Int m-s a m cla w-m ser g str & vns (max 8cm wide most < 2cm) drusy & crypto as ote (85-87m)

25RB | .01 | .024 | 79 | 5.6 | P

✓ | C.01 | .002 | 17 | 3.8 | P

26R: Rdy s ser, numerous drusy g vns & str (max 6cm) (bank sample 120-130)

✓ | C.01 | .120 | 41 | 3.0 | P

27R: g bld float (198 to end of trench)

✓ | C.01 | .002 | 33 | 3.9 | P

28R: Rdy m-s ser, greenish with drusy & crypto stockwork (e 198)

✓ | C.01 | .042 | 170 | 10.0 | P

29R: str zone adjacent to gun (30R) ~~with~~ 20 cm wide ~~top~~ m Mn from NW side vns in Int.

✓ | C.01 | .002 | 89 | 8.0 | P

30R: gun 40cm wide trend 062°, drusy, m-s Mn ~~on~~ host Rdy SE ~~side~~; hb G ks, NW side

✓ | C.01 | .002 | 36 | 5.4 | P

* str zone more lim ~~and~~ & cla
31R: R g stwk blds collected along Main TRENCH S Fork

175 3/4 18 3/4 15 1/2 16 1/2

TRENCH 7

✓ | .02 | .032 | 16 | 6 | P

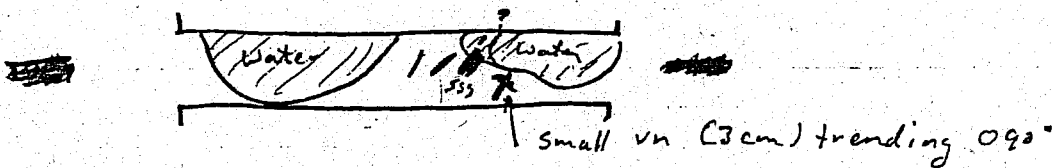
YU-5545R : a G, m cl o, w-m ser, dk rusting ± hem & M₃ host;
g vn 15 cm wide (@ 19.3 m)

✓ | .11 | .170 | 65 | 4.0 | P

46R : g str zone through a Int (G), adjacent to
large g vns (J&S-R, 47R) sampled over 2m
but spread over 10m length

✓ | .22 | .680 | 63 | 4.6 | P

47R : g vn 70 cm x ~3m, trend 060°, traced
to ~4 m max into zone of large vns & str, g
clear to greyish some white; v minor to 2 m Mn
& lim, composite of 2 vn
(32-32.7m) 30-30.3m)



TRENCH 8

✓ | <.01 | .006 | 94 | 230.9 | ↑

YV-5548R: q str through m cla w ser Int appears to be Di? bld over entire trench

✓ | .04 | .040 | 110 | 13.0 | ↑

49R: q vn crypto & drusy white & gy grey through m-s a Int (Di?), m-s Mn along margins & through q vns, m to lt rusty surfaces - 2 zones each 20 cm wide (@ 49m & 55m)

TRENCH 9

✓ | <.01 | .006 | 370 | 6.4 | ↑

50R

drusy & crypto white & gy q blds through Di? G? largest bld 20 cm (25-31 m)

✓ | <.01 | .040 | 79 | 25 | ↑

51R

R bx in hb kf Gp - odd looking, angular to subangular frags, s Mn over frags & with hem?, as irregular ~~blotches~~ blotches, Mn also along q str - zone max 20 cm wide (@ 50m)

✓ | .01 | .040 | 140 | 10.4 | ↑

52R

q str, numerous, discontinuous, irregular, fine - max 3cm most less, host m-s a hb G ~~crystal~~ m-s cla w-v w ser strong fract \bar{c} Mn surfaces & as fine vns (73m - 75m)

TRENCH 11

✓ | <.01 | .138 | 30 | 3.0 | ↑

53R:

w cla w ser hb kf Gp occasional q str fine to max 2cm local float across q m length (0-9m)

TRENCH 24

✓ | <.01 | .004 | 2200 | 12.2 | ↑

54R

q vns through G, Mn surfaces max 2cm wide gy & clear q m crystalline as bld/cobbles over entire trench length

✓ | <.01 | <.002 | 190 | 6.2 | ↑

55R

R bx, m ser, green, gy q w Mn, vu hem bld float (@ 76m)

57R

composite of q str through Int ~~(G?)~~ (G?) most v fine (116 to 126)

~~TRENCH 20~~

✓ | <.01 | <.002 | 180 | 3.6 | ↑

56R

Rdy \bar{c} q str, H gn w ser, few to occasional fine q str cut original bx, original frags rounded to subangular

\bar{c} = $\frac{1}{2}$ Au $\frac{1}{4}$ Au $\frac{1}{4}$ Au $\frac{1}{4}$ Au

TRENCH 10

<.01	.002	51	2.8
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YV-SJ58R

Rdy float blds, q str & vns to 2 cm
w-m? ser, lt-m green (25 to 40 m)

<.01	.004	36	5.6
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59R

Int subcrop, m-s cla ± w ser numerous q str
& veinlets, 20 cm wide zone (115)

<.01	.002	7	10
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60R

grab of float along bank, q vn host G
(119-121 m)

<.01	.002	90	18.4
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61R

a Int (?) chalcedonic q bx infilling & minor
fine q str, big large blds along bank (207-209)

<.01	.002	540	13.4
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62R

Rdy; white-clear w rusty q str & vn (~~max 2.5 cm~~)
max 2.5 cm, host Rdy buff-unaltered
except msil w ser near str.
(266-269)

<.01	.002	41	3.6
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63R

Rdy white-greyish q str & vns, max 2.5 cm
± w rusty surfaces (293-297)

<.01	.002	48	18
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64R

chalcedonic q vns brownish to greenish to grey
cutting white q; host G; cobble & bld float
5 rocks (399 to end of trench)

TRENCH 13

<.01	.002	22	1.6
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65R

s to i sil, previously scla, Int (G), cla areas
show brecciation, original texture nearly completely
destroyed, w lim occasional drusy q str / vn
(sample includes float blds from end of trench)
- local blds, looks similar to J64R (53-54)

TRENCH 17

<.01	.002	16	4.2
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66R

q float similar to J64R (15-45 m)

<.01	.002	30	11.2
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67R

G w-m cla, few to numerous q str max 1.5 cm
s rusty surfaces, m-s Mn (45-46 m & 56-59)

<.01	.002	97	16
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68R

Int (G) dk maroon s Mn them, s orange rusting
nil to s ep (i rusted) s brecciated with numerous
chalcedonic q str, across 30 cm (ote) (279-280)
(~65m)

TRENCH 28

<.01	.002	67	8
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69R

a Int (?) bld float bx ± chalcedonic q str (33-51 m)

<.01	.002	67	8
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70R

sq Int (G) q cal vn & str, max 2cm, white & clear q, w lim
overall pinkish-oreneish colouration → (K alt?) (21-22)

TRENCH 14

<.01	.012	7	1.8
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77R: a G, well rusted, 20 cm wide qn/str zone
(@ 170.5)

TRENCH 15

<.01	.022	103	14
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72R: a Int (G) s-i a; s cla w ser m lt rusting
to i a z original texture nearly obliterated, dk
rust & Mn along fract, q str max 1 cm wide
(5-10 m)

TRENCH 19

.05	.085	46	2.2
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~~same as 73R~~ 73R: 3 cm qn (bluish) through w-m chl
G, Mn minor Mn along fract.;
(@ 17m & 25m)

TRENCH 23

<.01	.012	110	4.6
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74R s-i a hb G s cla, w-s ser most w-m lt rusting
on surfaces or fract., q str/vn few to numerous
white & gy q, max 2.5 cm (10-30 m)

<.01	.080	35	2.4
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75R q vn 30 to 40 cm wide, gy q, trend ~ 065°
minor rusty surfaces, 10 cm wide str zone
along margins, host ~~hb~~ hb KfGp

Pit

.06	.154	29	3.4
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76R large q str/vns (7 cm total width) host rusty cl
G as 75R, ote in Pit ~ 25 m NE
of 75R (same vn?)

<.01	.085	110	23
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77R s to i a G host, buff to m dk rusty s cl
no ser observed; s black Mn & brown Mn
along fine fract, as ote (across 4 m)

TRENCH 27

~~78R: q vn grab over 15 cm wide ^{max} ~~tbl~~, gy q vn~~

.06	.472	6	1.4
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78R q vn grab of several vns (?) max 15 cm wide
(ote) G host (over 25 m)

.05	.122	9	1.6
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79R q str on either side of 15 cm wide q vn
in cla G host (30 cm either side total 60 cm width)

UPPER TRENCHES

1st	<.01	.002	33	0.5
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YV-55 80R: q on float grab from piles over 100 m² area

2nd	<.01	<.002	2	1
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81R: R by, lt green, finely b'ed subrounded frags with Mn coating (minor) in spaces; crypto q ~~matrix~~ matrix; v minor ~~irregular~~ irregular them masses throughout, 5 rocks from one trench pile

3rd	<.01	<.002	5	1
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82R: a G equivalent to hbKfGp in lower trenches with fine to max 4cm q str vn (str ote - vn as cobble float)
- host m cl w ser lt rusty fract & surfaces over 2m wide zone (Rdy on N side trend ~260° finer in green more qDi looking G on S side)

4th	<.01	<.002	2	0.6
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83R: ?

5th	10.3	110	1300	31.0
	As 7m	As 11m	As 17m	Sb 17m

84R: w.-s. sil. R. on NNW trending low ridge NW of main trenching

6th	<.01	<.002	16	1.4
	As 7m	As 7m	As 14m	Sb 17m

90R: q stringers 1cm+ through m. silicified light green R. → w. ser. a.