004699

Target 76

LG + JP

115 J/16

June 29 - July 3
July 5 - 6, 1985

Intro: - located at the headwaters of 3 placer creeks (Scroggie, Alberta, Walhalla)
- Cu + Cu, Zn, Pb, Mo, Ag gout rock geochem anomalies in area.

- 30 kms N. of Mt Cockfield
- approx. 15 kms N. of Selwyn on the Yukon R.

Rock Types:

Rqfp, Rfp, R dykes - grade to Gqfp

- common wte - buff weathered surface
- commonly fresh ± cl a', ± sil.

- trends ≈ 315° - 340°
~~40°~~ 40° - 45°
one 10° - trend of Rqfp etc.

bio
bio Hb GDi - Hb QM ± Ksp porphyries
- extremely difficult to distinguish from w. foliated basement rocks and more massive layers in gneissic basement rx.
- presence of well developed K-fsp in HbGD. used to differentiate from meta. basement. in areas of float

Basement Complex.

Amphib. ~~Gn~~ Gn with HbGDi and qf rich layers ~~qf~~.
qf also as ~~veins~~ vns

Gnt bio musc qf Sch - Gn

bio musc } qf Sch - Gn.

Basement complex (cont.)

- foliated GDi - @m
- minor feldspathic Qte. ± musc.
- v. minor L - Ma
- fine - v. coarse bands in Gn.
- foln 296° - 340°

NB otc is sparse except on high ridges (>4,000')

Mineralization + Alteration:

A zone was delineated in an area 1.7 km long x 1.7 km wide (see Detail) of q stringers, veins and q. replacement bx in the R(q)fp - R dykes and rarely in the metamorphic basement rx. The q stringers + vns consist of chalcedonic q. to quartz, often drusy. from a few mm's to several cms wide. The R(q)fp - R host is w - v.i sil. with w - s ser. a. In the more strongly sil. areas q. bxs are evident with R(q)fp - R fragments. Progressive replacement of the frags appears to have taken place to produce q nodules with crypto xline coatings to radiating drusy q surrounding the now more rounded rhyolitic frags.

As noted above the silicification does not appear to be totally restricted to the

R. dykes since one sample (J21R) was found of the i sil. bx with drusy q + q coatings with fragments of fol. GDi Gn. and possibly another (G23R) was also hosted by Gn. and exhibited drusy q stringers + vugs. J17R may also be hosted by Gn but Rd float occurred in this area. This sample is unusual in that the q ± drusy q coats xls of fluorite.

One similar S. sil sample (J4R) was found 6 kms WSW from main sil. zone (S. of Cripple Ck / Scroggie Ck saddle). It contained q stringers up to 2cm wide cutting sil, w ser. a. feld. Qtz or Rqfp - It appears to be the former since tr. py. was present which was also found within the Qtzs in this area.

3 kms upstream from the main sil. zone, float was found of fine xline + drusy q bx with Lst (Dol) frags. (G1R, G2R)

Peripheral to the sil areas, the R - R(q)fp appears to be cl. a. Ep. a is also widespread within the detailed area in the Gn and GDi - QM. Ep a was also noted to the N and S and slightly to the E.

The foliation trends within the basement rx are NW-ely as are some of the measured R - R(q)fp dys. However, these trends appear to be less favourable to min. than NE-ely trends from 40-70°. Most uns + min dys that could be measured were trending 40-45° and bld. trains were noted at 70°. However on the E side of detailed area the NW trending fractures hosted minor q stringers as opposed to the NE fractures. Min (sil) on this E side is much less intense and may be peripheral to more i sil zones which may (or may not) follow the NE trend.

Trace malipositе was observed with Lst. bld float • near the gov't Cu anomaly to the N. of the detailed zone.

No evidence was found for a major fault along Scroggie - Cripple Cks. A fold axis is outlined near here by the GSC but actual evidence for it was not observed.

Conclusion:

Staking of 28 claims (4x7) is recommended to cover the minimum area of stringers, uns and bx. A 42 claim block (6x7) would give better coverage in this area of poor exposure. Archer Cathro has been preoccupied with staking everything in sight ∴ immediate action necessary. Further action depends on geochem.

Rk. Samples (Y76)

tonalite

Rare q stringers in cl a. R	G 3, 4, 14, 25
Sparse stringers	G 11, 20 m; J 14
Stringers	G 5, 6, 12, 17; J 9, 13, 16, 18?
Stockwork stringers	G 7, 10, 13, 21, 22, 24; J 10, 12, 15, 22
q-bx with R frags	G 8, [redacted], 16; J 11
q-bx with q nodules	G 9, 15, 18; J 19

J17R - q stringers + drusy commonly coating green, rarely purple Fl xls, w lim, w Mn.
- host - s. sil Rd ?? ← lt. green col.

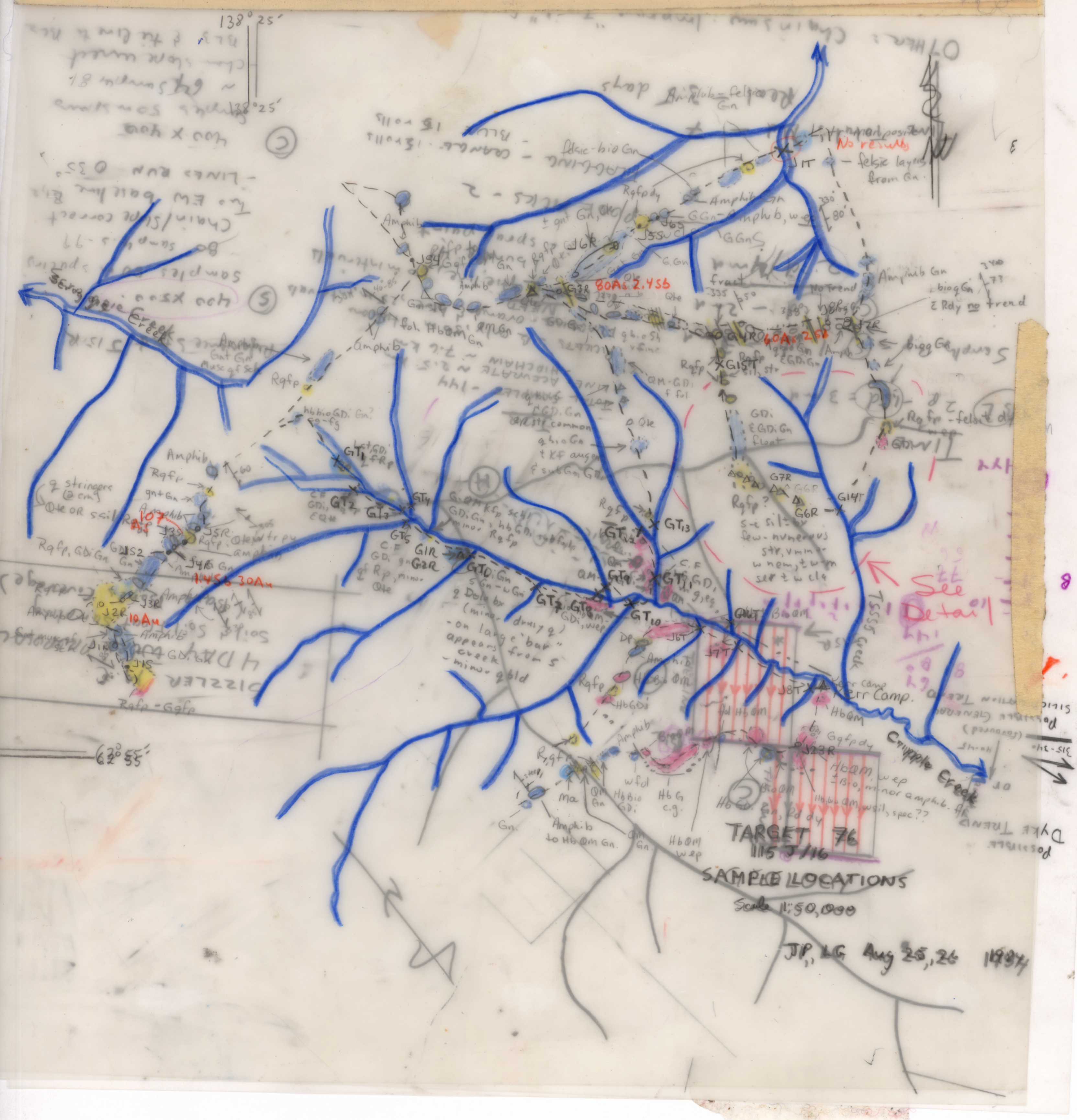
J20R - 7 cm vn in s. sil host? → Gn??
with turquoise col. sec. mineral?
- ck. float

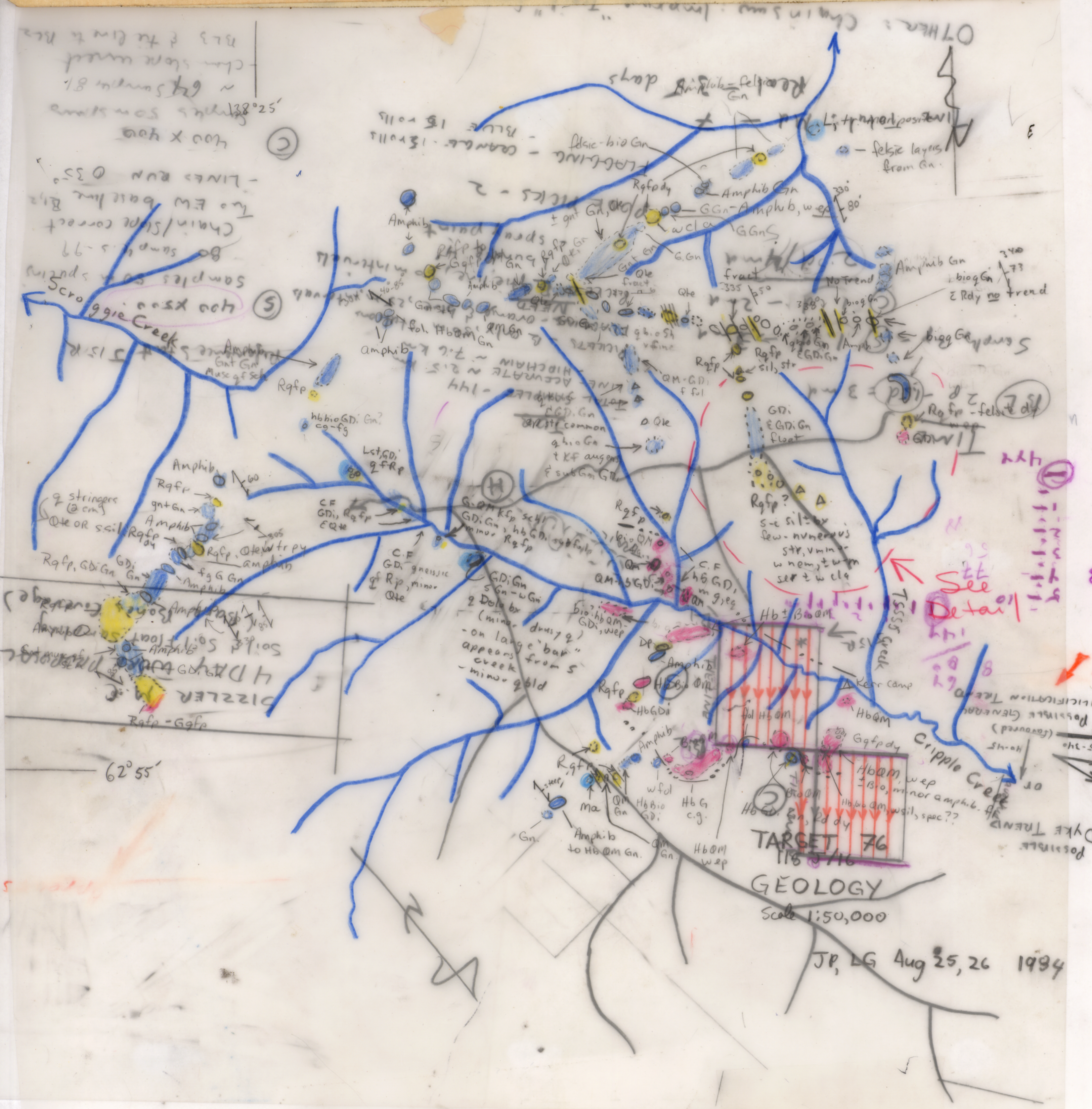
J23R - Hb@m + bio [redacted], w sil, gy mineral ← spec? red str.

J2R - composite of fresh Rqfp

J7R - w cl a Rqfp

J1R, 3, 5, 6, 8R [redacted] q in metas. (sweats??)


TARGET 76
115 J/16
SAMPLE LOCATIONS
Scale 1:50,000
JP, LG Aug 25,26 1984
138°25'
62°55'
Kerr Camp.
Cripple Creek
See Detail
No results
felsic layers from Gn.
80As 2.4Sb
40As 2Sb
1.4Sb 30Au
10Au
107 As
Amphib
Rqfp
Amphib Gn
felsic-bio Gn
GT1
GT2
GT3
GT4
GT5
GT6
GT7
GT8
GT9
GT10
GT11
GT12
GT13
G1R
G2R
G14T
G15T
G6R
G7R
J1S
J2R
J3R
J4B
J5R
J7T
J8T
J9A
q stringers (@ cm)
Amphib to HbQM Gn.
HbQM wep
HbG c.g.
q Dolo bx (minor drusy q) on large "bar" appears from S creek - minor gold



Scroggie Creek
Cripple Creek
138°25'
62°55'
See Detail
Kerr camp
HbQM
Amphib
Rqfp
TARGET 76
GEOLOGY
Scale 1:50,000
JP, LG Aug 25, 26 1994

SIZZLER M.C.
4 DAY WORK PROPOSAL
Soil & Soil Float sampling
(Bare Bones Coverage)

TIME

BL 2p - 1.5d = 3 md

Sample 2p - (S) 1.5d → 3 md
(C) 1 d - 2 md
2.5d / 5 md

JOB

TOTAL SAMPLES - 144
LINE - ACCURATE ~ 2.5 km
- HIPCHAIN ~ 7.6 km
PICKETS - B only, 50 m stations
FLAGGING - orange & blue, 25 m intervals
NEED
PICKETS B & tie line, 50 m intervals
- 1 bundle 4'
- spray paint

POOR PICKS - 2

FLAGGING - ORANGE - 15 rolls
- BLUE 15 rolls

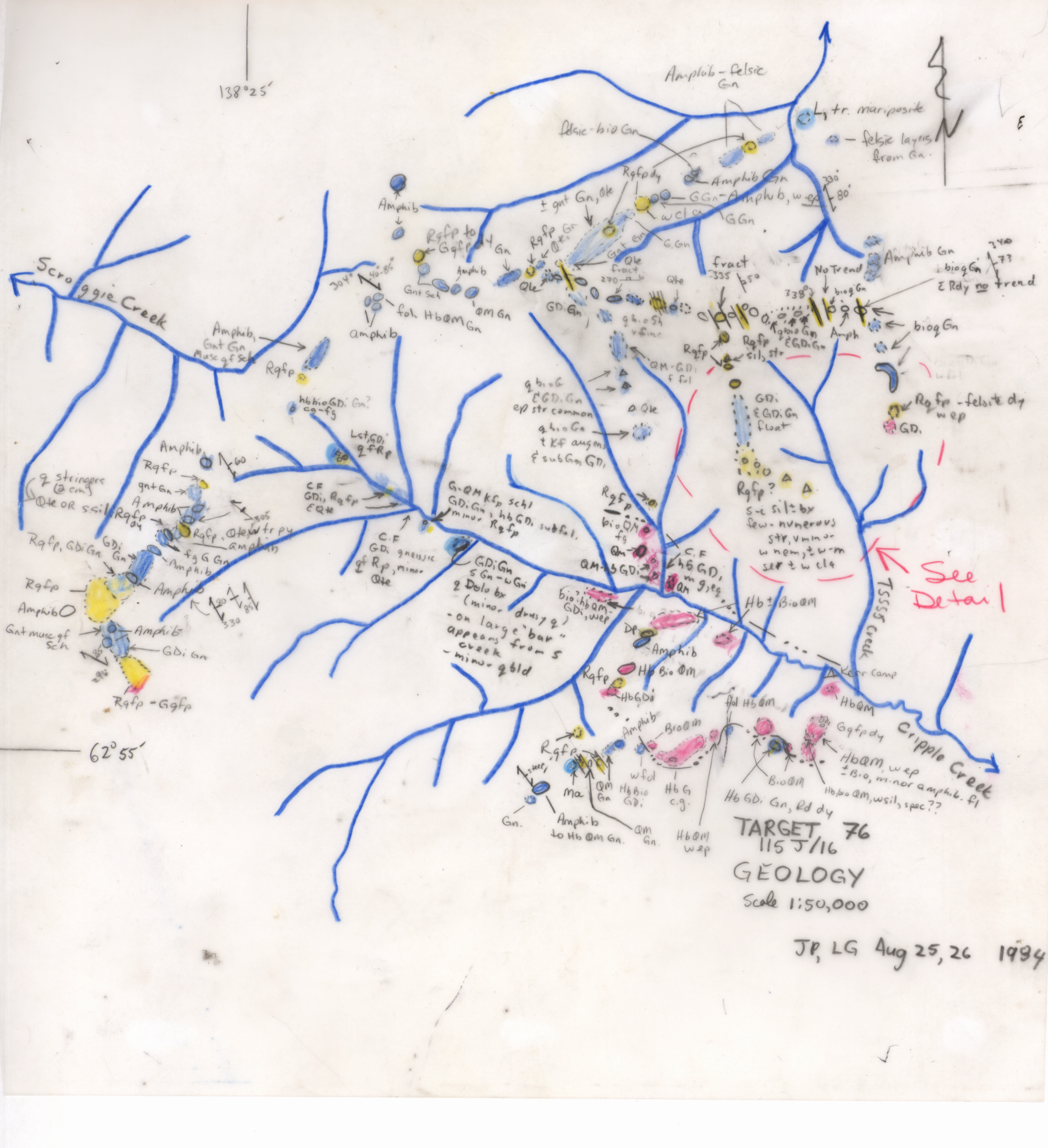
Reference Start J15R

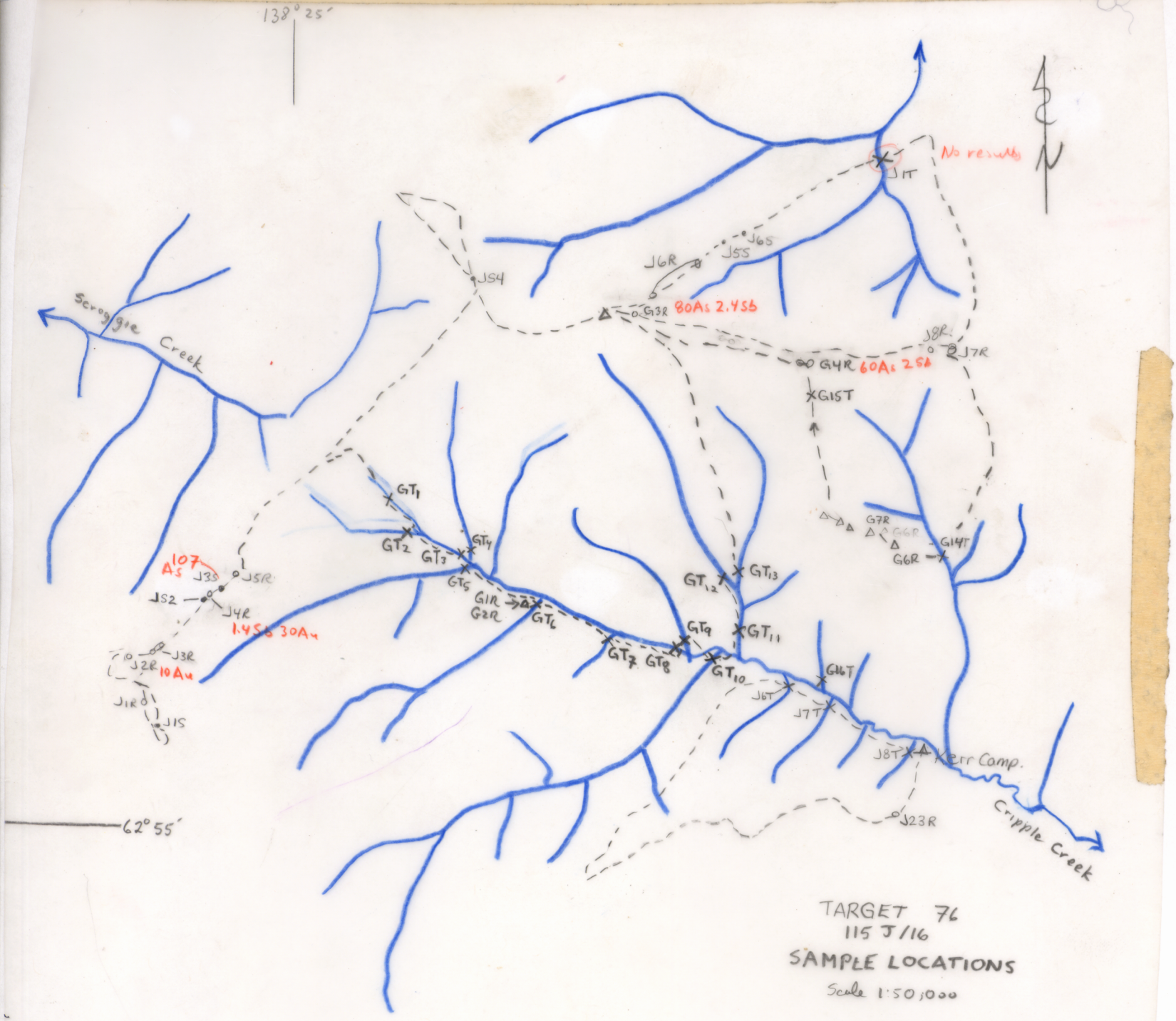
(S) 400 x 500
Samples 50 m spacing
80 samples - 99
Chain/Slope correct
Two EW baseline B1,2
- LINES RUN 035°

(C) 400 x 400
Samples 50 m spacing
~ 64 Samples 81
- Chain slope correct
BL3 & tie line to BL2

Time Total: Md - 7
Real - 3.5 days

OTHER: Chainsaw: Improve "Trail" from campsite (H) through burn


138°25′
62°55′
N
Scroggie Creek
Cripple Creek
TSSSS Creek
Kerr Camp
See Detail
Amphib - felsic Gn
felsic-bio Gn
L, tr. mariposite
felsic layers from Gn.
Amphib Gn
GGn - Amphib, wep
GGn
Amphib
Rqfp to Gqfp dy
Gnt Sch
Amphib
QM Gn
fol. Hb QM Gn
amphib
Amphib, Gnt Gn, Musc qf Sch
Rqfp
hb bio GDi Gn?
cg-fg
Lst, GDi, q f Rp
No Trend
bioq Gn
Amphib Gn
bioq Gn
E Rdy no trend
Amph
bioq Gn
Rqfp - felsite dy
wep
GDi
fract
GDi Gn
QM-GDi f fol
q bio G
E GDi Gn
ep str common
q bio Gn
t KF augens
E sub Gn GDi
GDi E GDi Gn float
Rqfp ?
S-i sil ± bx
few - numerous
str, v min or
w nem, ± w-m
ser ± w cla
Rqfp sil, str
C.F
GDi, Rqfp
EQ
G. QM kfp schl
GDi Gn, hb GDi subfol,
minor Rqfp
C.F
GDi gneissic
of Rp, minor Qte
GDi Gn
S Gn - u Gn
q Dolo bx
(minor drusy q)
- on large "bar" appears from S creek
- minor q bld
QM-hb GDi
C.F
hb GDi
m g. eq.
bio hb QM GDi, wep
Hb ± Bio QM
Amphib
Hb Bio QM
Rqfp
Hb GDi
Amphib
Bio QM
fol Hb QM
Hb QM
Gqfp dy
Hb QM, wep
± Bio, minor amphib. fl
Hb, bio QM, w sil, spec??
Bio QM
Hb GDi Gn, Rd dy
Hb QM wep
Hb G c.g.
w fol
Hb Bio GDi
QM Gn
QM Gn.
Amphib to Hb QM Gn.
Gn.
Rqfp
Amphib
q stringers (@ cm)
Qte OR s.sil
Rqfr
gnt Gn
Amphib
Rqfp dy
Rqfp, Qte w tr py
amphib
fg G Gn
Rqfp, GDi Gn
GDi Gn
Amphib
Rqfp
Amphib
Gnt musc qf Sch
Amphib
GDi Gn
Rqfp - Gqfp
TARGET 76
115 J/16
GEOLOGY
Scale 1:50,000
JP, LG Aug 25, 26 1984



TARGET 76
115 J/16
SAMPLE LOCATIONS
Scale 1:50,000

JP, LG Aug 25, 26 1984

inches
0
1
0
1
2
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
Yukon Geological Survey
TARGET 76
GEOLOGY OVERLAY
1:2000
KEY
MAIN ZONE
ROCK SAMPLE DISTRIBUTION FOR ALTERED RHYOLITE
1:2000
Helicopter Pad
N
G1T
G2T
G3T
G4T
G5T
G6T
G7T
G1R
G2R
CRIPP
TARGET 76
115 J/16
DETAIL
Scale 1:2000
0 200 400 m