

①

RECEIVED

LG + SP

JUL 12 1985

KERR ADVENTURES LTD.

See file
T 22
for T 21A
report

Assays attached.
No evidence/suggestion
of precious metals.
Sb above background
values, As also but
less.

Target 21

115 J/8

July 4, 8/85

Intro: - located \pm 10 kms SSW of Apex Mtn

- located in area of abundant Tfp dykes
through Cretaceous volcanics and older
Hb G.B. just N of major fault
(as mapped by GSC)

NB good area ~~for~~ (around 421 - 422 and
further S and E) - have flown over and
looks promising \rightarrow light rusting and
alteration evident.

NB was intended as 1 day target but
discovery of shadow zone led to further
work.

Rock Types

① Rqfp dys. to Rfp dys

- commonly well weathered and similar to GSC's "Tfp."
- "cl. a. especially of fsp"
- g eyes evident but sparse
- light white to buff weath.
- common trends 330° to N central to N area.
- \hookrightarrow more in S part

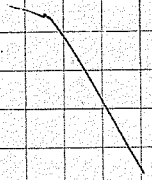
② A ; Ap with fsp phenos, occasional augite phenos.
At, Alapt

NB - when cl. a. is similar to cl. a. Rqfp.
but browner weath surface.

③ Hb GDi - OM

with biotite.
fg - m.g.

- equigranular except for Hb phenocrysts which are w. porphyritic



Mineralization + Alteration.

① Shadow Zone

- N trending prominent cut (lineament) with q. Replacement by (ie q by with R(g)fp fragments ^{which} become more + more replaced and coated by q + chalc q + drusy radiating q) - variable silicif. along cut from mod to v.v. intensely sil.

- exposed in ote ~~for~~ and ^{local} bld float for 210m in length

- float continues briefly to N and to S continues for 500m +

- cl a + ser a with R(g)fp increases twds ~~zone~~ more strongly sil zones (eg. twds Shadow Zone)

② 1 km to W of Shadow Zone - ~~zone~~ 15m

wide zone, 57m long, trend N of q uns ± drusy ± vuggy ± chalcedonic up to 15cm wide ^{some} with b4 zones along margins + stungers, in Rgfp which is s. cl a and sil.

This zone is within a 130m wide area of q stungers, and less intense breccias.

③ one area 750m S of the Shadow zone contains similar blds to that of the

Shadow Zone and these seem to trend 340° .

(3)

The prominent N trending cut defined by Shadow Zone continues to the N but only A lapt and Ap outcrops along it. There is no evidence of min. or sil. or even alt'n. Several N trending lineaments were investigated to the N.

To the S. there may be more potential but much of the area is covered by overburden. ~~about~~ ~~S.~~

A few stringers are found within the A. unit but are (so far) only minor.

Concl.

The min (i.e. sil.) appears to be related to the R(g)fp dykes. Clay and ser a increases towards the sil zones. This area is very similar to Y76 and somewhat to the R stockwork by at the VIC

Staking is recommended at this point due to Archer Cathro activity.

Y-21 Sample Descriptions.

- Y21-5J1R w.c.l.a. Rgfp ± w. ser a. , composite
- 5J2R g stringers + cal masses up to 3cm wide
↳ few mm's
in w.c.l.a. Rgfp
- 5J3R s. sil. Rgfp - g bx ± carb.
- few vns up to 1/2 cm.
- J4R s. sil Rgfp, remnant cl a fsps, s. ser a.;
g ± w. cal stringers up to 3/4 cm wide;
Smooth, dk. rusty surface
- J5R as J4R but g vns up to 2.5cm wide
+ stringers
- J6R composite over 50 diam of J3R
material
- J7R g stringers up to 1.5cm wide in
m.c.l.a. Rgfp
- J8R composite of g stringers in sil. Rgfp
up to 2cm wide
- J9R from otc; chip sample over 1.5m width
of g bx - drusy g coating frags
of v.i. sil Rgfp; replacement in
areas ± complete.
- J10R g stringers in large boulders of
v.i. sil Rgfp; 3cm wide +
- J11R ~~frags~~ - chips across 1.5m + 1m width
+ assorted chips from otc of J9R material
- J12R almost complete replaced frags of Rgfp → g

V-21-SJ13R - fine g stringers + Mn stringers cutting m cl a. w. sen a. R(g)fp from 10 cobbles local float

J14R - m sil. - s sil g by with frags of R(g)fp + stringers 7 cobbles local float

J15R - 25 m radius of g stringers up to 2cm w. cutting Rfp m cl a - g stringers by rate host in places - luggy + drusy g, some chalcedonic

J16R } - luggy + drusy
J17R } - 15m wide un-bx zone trend N zones along margins + stringers host R g fp - s cl a + sil. - sampled across width several times
J16R - 30m to N across 15m widths
J17R - 27m to S across " "

J18R - g stringer by, some luggy g host frags - m-s sil. - part of same Nerly zone as J17R?

{ J19R - sil g by - composite over 10m
{ J20R - " " " 20-30m N of J19R
-> blds trend $\pm 340^\circ$

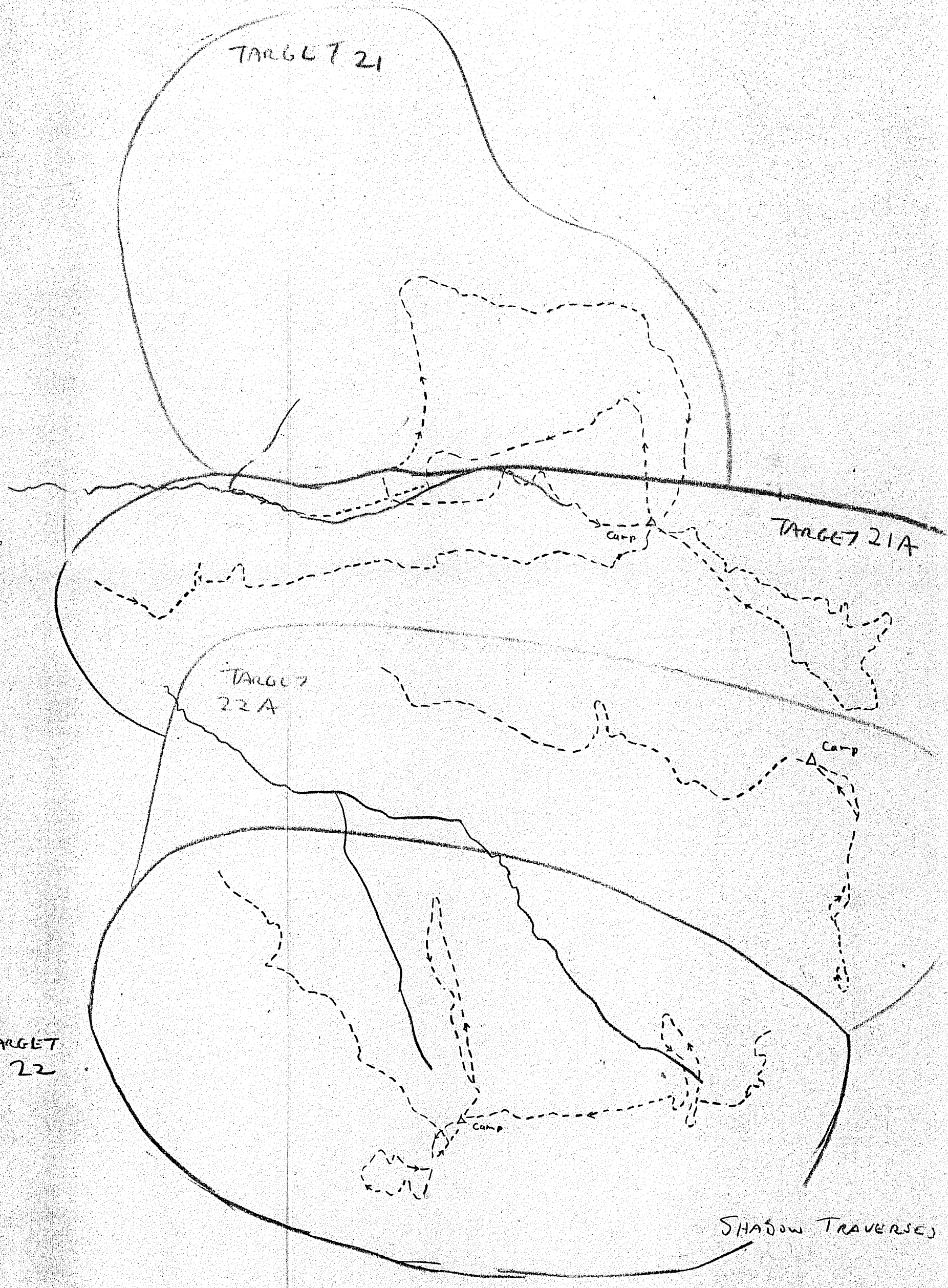
TARGET 21

TARGET 21A

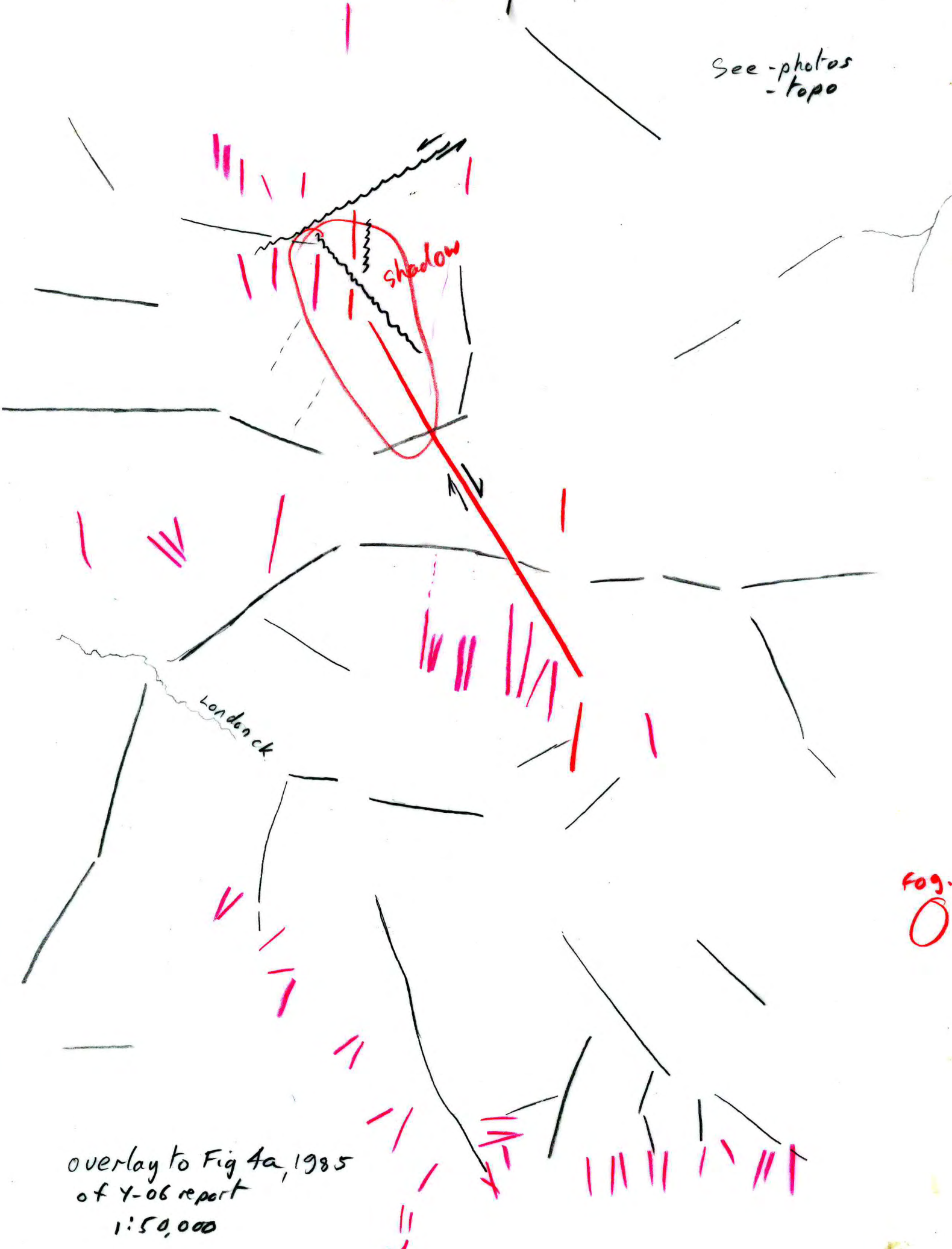
TARGET 22A

TARGET 22

SHADOW TRAVERSES



See - photos
- topo

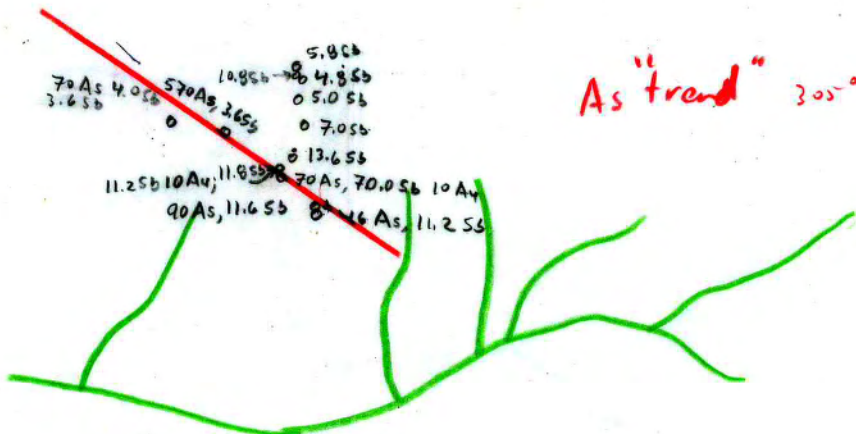


overlay to Fig 4a, 1985
of 4-06 report
1:50,000

fog.
O

22As 3.75b

(4)



TARGET 21

27.3.27

(4)

Klotassin R

G1R
9 stringers
+ sil A

G2R ← cal 9 pebbles

pronounced N
trending lineament
← cal. stringers - G4R
G3R

J1R
J12R
J10R
J9R

J8R

J7R
9 stringers
7 (1.5cm)

ser a
cla A
J1R

ser a
cla in Rqfp
increases to N

J3R-GR

Rqfp - w-i sil
w-m ser a
9 vns (3cm), 9 bx, v.c. sil bx
+ 9 carb

q. replacement by
otc + subcrop along pronounced
N trending lineament with
drusy q coating + repl. Rqfp
frags in sil - v.v.c. sil. - almost
total replacement
NB. wet by specimens for best
observation

NB N trending cut has best sil.

Shadow claims : sketch to be sent in
tomorrow

Klotassin

27As 3756
9 stringers
+ sil A

G2R cal 9 pebbles

pronounced N
trending lineament

cal. stringers - G4R
G3R

As trend

q. replacement by
of C + subcrop along pronounced
trending lineament with
drusy q coating + repl. Rqfp
frags in sil - v.v. c. sil. - almost
total replacement
NB. wet by specimens for best
observation

NB - N trending cut has best sil.

J7R
9 stringers
7 (1.5cm)

J12R 15.866
J10R 19.492
70As 4.000
3.656
10As 3.086
8.7056 JBR
8.12656
11.256 10Au
90As, 11.856
70As, 70.056 10Au
16As, 11.256

ser a
cla in Rqfp
increases to N

J3R-GR
Rqfp - w-i sil
w-m ser a
9 vns (3cm), 9 bx, v.c. sil bx
+ 9 carb

TARGET 21

Shadow claims : sketch to be sent in
tomorrow

28Sb 20Au
Δ 14Sb (x 1.8Sb)



o 2.1Ag

o 1.5Sb

o 60As 6.4Sb

420As 65Au

Δ 3.4Sb 260Au

Δ 46As 55Sb 2000Au
4.3As

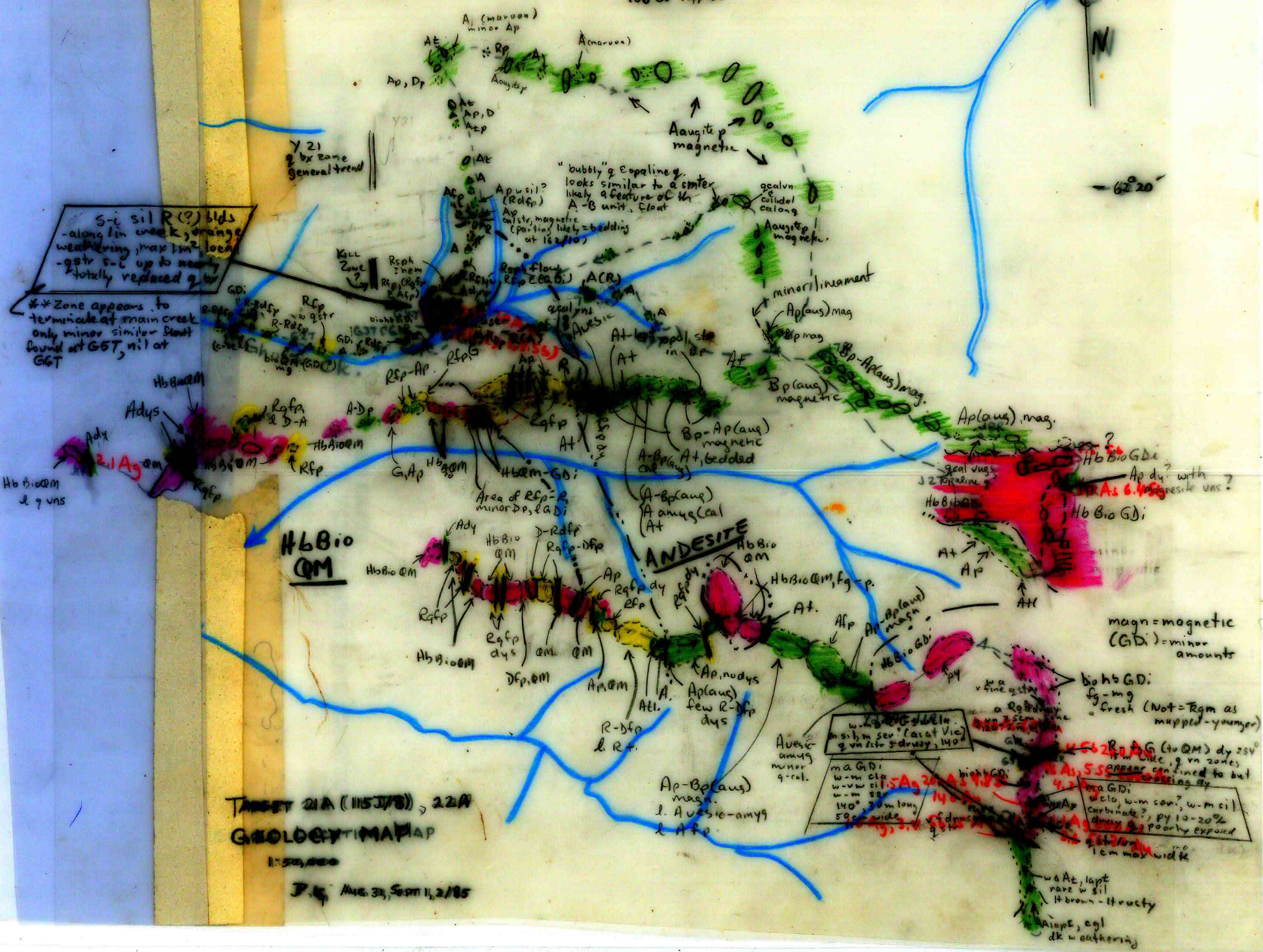
1.5Ag 200As 9.8Sb
140Au

1.0Ag, 3.4Sb 15Au Δ Δ 1.1Ag 200As
3.6Sb 20Au

130°05' (approx)



62°20'



S-t sill R(?) blds
 - along lin creek, orange
 weathering, max 1m² local
 - gstr s-l up to nearly
 totally replaced g w

* Zone appears to
 terminate at main creek
 only minor similar stuff
 found at GGT, nil at
 GGT

"bubbly" g. Eopline g.
 looks similar to a center
 likely a feature of the
 A-B unit. float

TARGET 21A (115J/8) 22A
GEOLOGY MAP
 1:50,000
 J. G. Aug 31, Sept 1, 2/85

w. G.D. 1.5 Ag 2.5 S
 w-w cla
 w-w sil
 w-w ss
 140° 30m long
 50cm wide

ma G.D.
 w-cla, w-m con? w-m sil
 carbonate? py 10-20%
 poorly exposed
 1cm max width

w-d At, lapt
 rare w sil
 H brown - it crusty
 Alapt, cgl
 dk w weathering

magn = magnetic
 (G.D.) = minor amount

bio hb G.D.
 fg - mg
 fresh (Not = Rgm as
 mapped - younger)

ma G.D.
 w-w cla, w-w con? w-m sil
 carbonate? py 10-20%
 poorly exposed

ma G.D.
 w-cla, w-m con? w-m sil
 carbonate? py 10-20%
 poorly exposed

w-d At, lapt
 rare w sil
 H brown - it crusty
 Alapt, cgl
 dk w weathering

SAMPLE #	LOCATION	Soil vs Talus	Depth (cm)	Horizon	DESCRIPTION					COMMENTS	ASSAYS ^{ppb}			
					Colour	Particle Size	Organic	Slope	Rock Type		Ag Au	As Ag	Sb As	Am Sb
YW-6G1S		S	10	B	m-lt brn	gritty silt	w-m	base of slope	Asp float		0.1	2	0.1	<5
YW-6G2S		S	10	B	m brn	silt	low	w. E			0.1	4	0.2	<5
YW-6G3S		S	10	B	m-dk brn	silt	low		G7R		0.1	<u>46</u>	<u>2.6</u>	<5
YW-6G4S		S	10	BA- TB	m brn	silt	w-m	w S-SE	G9R		0.1	<u>41</u>	<u>3.6</u>	<5
YW-6G5S											0.1	15	2.4	<5
YW-6G6S		S	10	BA TB	m brn	silt	w	m SE	A Rfp	- Rfp ± w cla & rare gstr	0.1	11	<u>1.4</u>	10
YW-6G7S		S	15	B	m brn	silt	w	m E	Rfp		0.1	<u>230</u>	<u>1.1</u>	5
YW-6G8S		S	15	BA- TB	m brn	silt	Low	m E	A A?R?		0.1	<u>22</u>	0.5	<5
YW-6G9S		S	15	TB	m brn	silt	Low	m E			0.1	11	0.4	<5
YW-6G10S		S	20	B	m brn	gritty silt	v. low	m E	?fp	- fp - cla	0.1	7	0.2	<5
YW-6G11S		S	25	BA TB	m brn	silt	m		?fp		0.1	4	0.1	10
YW-6G12S		S	20	(poor) B	m brn	silt	low	m E	R?fp	- 2.5 cm ash	0.1	7	0.2	<5
YW-6G13S		S	25	B	m-lt brn	silt		m E			0.1	7	0.2	<5
YW-6G14S		S	25	A -B	v dk brn	silt	m-s	w-m SE		- 2 "A" horizons, 10 cm ash	0.3	5	0.1	<5
YW-6G15S		S	25	B	v dk brn	silt	0	w-m SE			0.1	6	0.4	<5

SAMPLE #	LOCATION	Soil vs Talus	Depth (cm)	Horizon	DESCRIPTION					COMMENTS	ASSAYS			
					Colour	Particle Size	Organic	Slope	Rock Type		Ag	As	Sb	Ppb
											Ag	As	Sb	Au
YW-6G16S		ASH	20	-	lt gy	fg sand	v low -0	m S	-	- ash	0.1	3	0.1	<5
YW-6G17S		S	15	B	Y. dk brn	silt	0	w S			0.3	6	0.2	<5
YW-6G18S		S	25	B	m brn	clayey silt	low -0	m S	fp		0.2	5	0.2	<5
YW-6G19S		S	25	B	m-lt brn	gritty silt	v low	-	A? R? fp	- 3-5 cm ash above sample.	0.1	3	0.5	<5
YW-6G20S		S	15	B	m brn	silt	0	m E	Rfp	- g bx, w-i sil, w qstr, i bx.	0.1	23	<u>5.6</u>	<5
YW-6G21S		S	20	B	"	"	low	"	-		0.1	4	<u>1.4</u>	<5
YW-6G22S		S	25	TB	lt-m brn	"	"	"	?fp	A? or R? tw clg, w ser?	0.1	16	<u>4.8</u>	<5
YW-6G23S		S	25	TB	lt-m brn	sandy silt	v low	m E	Rfp, Afp		0.1	3	<u>1.0</u>	<5
YW-6G24S		S	25	B	m brn	silt	0	m E	Afp	- s f, s green. float.	0.1	11	0.2	<5
YW-6G25S		S	20	TB	m brn	gritty silt	v low -0	m E	A-B Rfp		0.1	10	0.4	<u>20</u>
YW-6G26S		S	25	TB	m brn	silt	Low	m E	A-L		0.1	15	0.6	<5
YW-6G27S		S	30	TB	m brn	silt	m	m NE	Rfp		0.1	6	0.6	<5
YW-6G28S		S	10	TB	m brn	sandy silt	0	m NE	Rfp	- w clg	0.1	4	0.3	<5
YW-6G29S		S	20	A-TB	lt gy -brn	Sandy silt	S	m N	Rfp (talus)	- poor sample, much ash (permafrost)	0.1	2	0.1	<5
YW-6G30S		S-T	20	A	m brn	sandy silt	v S	m N	Rfp (talus)	- lt gn, w clg; poor sample - ash	0.1	3	0.4	<5

KLOTASSIN RIVER



A, Augstip, At
 Rqfp with minor A
 Maroon Soil
 At, Ap, Augstip (Soil in Frost Boils typically dk maroon over "tecv")
 Ap
 Calc pebbles in frost boils trend w NS to 010°

Numerous Rqfp (5-20m)
 Sewer Ap (1-3m) dy cutting hbbio QM-GD ("Rgd")
 Ap
 Otc Ap, Alapt along E side of prominent NS lineament
 Small NS lineaments

Shadow zone
 drusy 2 stages of later chalc.
 2. bx + chalc pronounced otc + subcrop along N-trending lineament with drusy q coating + replacing Rqfp frags in sil - vlv. i. sil (almost total replacement)

sil q bx seds trend 340? 30-40m wide

Rqfp, w-c sil w-m ser a q vns (3cm), sil bx + q carb?

2 stringers in m clst w ser a Rqfp to E and sil bx - vn bx zone vns (15-cm) - bx along margin + str. - zone 130m wide x 60m long

str = stringers

TARGET 21
 115 J/8
 GEOLOGY
 scale 1:50,000

PLG July 4/

85

KLOTACIN RIVER

④

A, Augstip, At
 Rqfp
 2 stringers + sil A
 CRfp with minor A
 At, Augstip (Soil in Forest Boils typically dk maroon over "atv")
 Ap
 Maroon Soil
 Calc. pebbles in forest boils trend w NS to 010°

Numerous Rqfp (5-20m)
 E sewer Ap (1-3m) by cutting hbbio QM-GDI ("Eggs")
 Ap E a few NS Rqfp

Ote, Alapt along E side of prominent NS lineament
 Small NS lineament
 Rqfp
 Ap
 Calc str v rusty A

Shadow zone
 drusy stages of later chalc
 2. bx + chalc
 ote + subcrop along N trending lineament with drusy 9 spating + replacing Rqfp frags in sil - v. i. sil (almost total replacement)

Alapt round bldgs of Hbbio X
 Ap, wcla + fine str

Rqfp, w-c sil w-m ser a 9 vns (3cm) sil bx + 9 carb?

9 stringers in m cla w ser a Rqfp to E and sil bx - vn bx zone vns (15-cm) - bx along margin + str. - zone 130m wide x 60m long

str - stringers

general trend of Rqfp dus 330-335°

sil 9 bx seds trend 340? 30-40m wide

TARGET 21
 115 F/B
 SAMBOLOGATIONS
 Scale 1:50,000

J 16 July 4/85

85

138°05'