

(F)

841011  
King-Courte

KC Recon  
in Pennel Sound  
area  
Sept 8, 1981

TO

1:10,000

T.O. Lion / Sept 8, 81

start at road at  
sample KC-5M-67

head up to top of ridge @ 020°  
hence along ridge to East  
and down to truck

Samples every 100m  
mapping @ 1:10,000 scale  
when the top of ridge is reached

(a rather wet day)

From road up to ridge ~  
scattered small % of much  
angular float

gy-wt mid-grained, hypidomorphic →  
intrusive rocks (diabase)

fine mass gray ~~grey~~ plagioclase  
anhedral

φ = 30 (15-50) % matrix  
pyroxene & hornblende → chloritic  
grain size 1-3mm hypid → emb

X

at top of ridge ~ head

sample

000m SK-KC-T.O. 001

br-sa clay + pcb + org + ...

Poor sample

small o/c  
on ridge  
AE  
81-KC-TO-3

100M

o/c (magnetite bearing)  
diabase?  
100M

20M

81-KC-TO-45

magnetic  
amalgamated  
greenstone  
T-5

AE  
T-6

Line follows ridge @ (B)  
Slope corrected.

To 100m no % , bedar bog  
(A) 100m NSA, bog

+ 200m 81-KL-TO-2

Grey clay + some organics  
no-%

+ 300m 81-KL-TO-3

by clay + organics, poor  
sample

% 10m north of station

Blue green, fine grained, chloritic, soft  
amibite tufts ~ (-1mm)

very poor exposure

+ 386m % 10m north

Black-blue md grained (1-3mm), dense  
hypidomorphous rock, magnetic

note: clots of anhedral ep?

Some scattered plagy xls to 5mm

Contains abundant -1mm

fine grained magnetite

weathers grey, showing plagy xls

≈ Sample taken (hand specimen)

(may be a diabase?)

+400m 81-KC-TO-4  
grey clay + Ang PF

81-KC-TO-5 400-420m  
Sample of epidotic, magnetic  
fine grained, <sup>(1mm)</sup> amygdatoidal  
greenstone, 0/c  
amygdules d/w Qtz to 5mm

+500m 81-KC-TO-6  
Grey stoney clay

d/c 30m w Blue green Andicite  
tuff, small 5x5m

to 530m small scattered d/c  
of At-blue-grn chondrite & soft

+600m 81-KC-TO-7 *aditto* above

+678m 0/c blue green, fine grained  
amygdatoidal, ind hard  
andicite, note bird paths, small  
+1mm ~ small

(small d/c)

+700m 81-KC-TO-8 GY, SA-stoney  
day +

+800m NSA ~ only lumines

+830m 81-KC-TO-9

Br stoney clay + humus



note indicate s/c: 678m  
small 7x7 w/c

hit road @ 920m  
at bend by small  
ck plog

BoL B1-KC-TO #1



16/7/81

T. Oliver

Recon in Pennel  
Sound area!

(King area  
hereabouts)

000m - Drop off, head @  
160° for low wire fan

+20m small o/c blue/gn, soft

Alt.

matrix (cement) lt gn, soft +  
CaO<sub>3</sub> cub agg to 5mm in void  
spaces

fg from .5 → 2.5cm blue  
green soft Pandicite, aphanitic

+137m small o/c

Rd/bn, aphanitic, hard, porphyritic

volcanic

matrix - aphanitic

small < 3mm feldspar + 5% cub

minor hornblende laths to 2mm, cub

locally feldspar altered to sericite

may be a breccia

Rd (porphyritic)

HS-KC-TO-45

+163m Small o/c s/a TO-45

though ~~more~~ brecciated

+200m Soil KC-TO-46

6y Sa clay + Rf

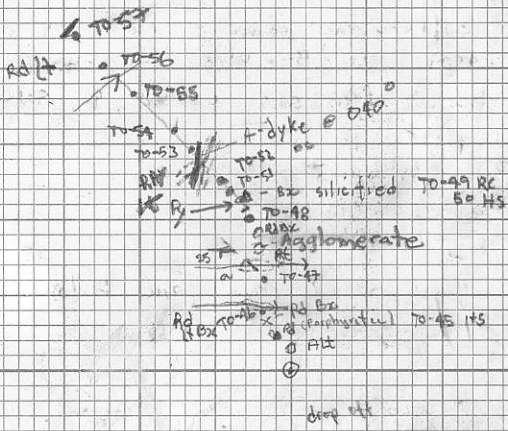
To 280m Scattered o/c, breccia s/a

TO-45 HS





250m



+300m KC-TO-47 Soil, by stoney, sa clay

+337m ck @ 080°

o/c wt, md grained leuco Rhy tuff → rt

etc with md grained, green and

etc @ 100/20N?

+377m o/c Br weathering,

→ agglomerate

matrix green, soft fine grained

Rocks → rounded to angular

inc volc & sed

Volc: lt an, aphanitic, soft and

local porphyritic

Sed - bedded soft Sar

Sols And

note minor intercalata on volc tuff  
or V<sub>S</sub>

-450m o/c (Bx Rd ~ S/a TO-45 AS

+515m TO-48 soil: by Br Sa stoney (ang  
rt) clay

o/c D-Rd T + Tb, minor sn, md grained

AT<sup>F</sup>, intercalata (tuff fg to 4cm)

bdng in rt 020/80E ~ 90°

+532m change bng to 130°

o/c m

+30m o/c silicified bx + Py to .59<sub>0</sub>

zone continuous along small Ek

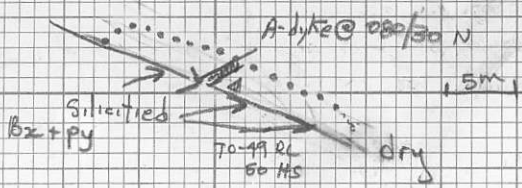
See detail TO-49 RC TO-50 HS

Bx Rusty weathering

+72m TO-51 Rd/br yellowy, sa stoney

Coam

# Detail



+ 100m KL-TD-52 Soil s/a TD-51

^ Taken on o/c of Sliced Lt

+ minor pyo

S/a TD-50 +5

Probably a Rhyolite tuff -> Lt

+ 225m ck Canyon o/c Rlt, local py  
Dyke, And cuts Rhy @ 040° app  
3m wide

+ 265m TD-53 Soil Rd/Br -> by Sa loamy  
/oam

+ 400m TD-54 ditto

+ 600m small scattered o/c of  
pyroclastic rocks -> dacite -> Rhyolite  
mostly Lt size local breccia

@ 600m TD-55 Soil

Rd/br Sa loam + Rf (ang)

+ 710m ck, large flow @ 230°

+ 800m KL-TD-56 by-Br Sa clay +  
pebbles & Rock fg

o/c breccia, very hard Lt, + r py locally

fg .5 -> 2.5 cm

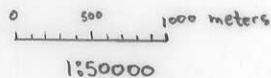
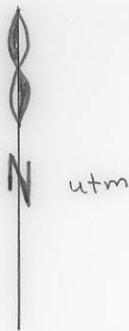
aphanitic - Rd Lt

+ 910m KL-TD-57 Soil

R. D. PENHALL LTD. MADE IN VANCOUVER CANADA  
DURABLE WATERPROOF

(F)

Sept - 8, 1981  
KC-Regional  
Timothy Oliver  
NTS 103F/8W  
103F/7E



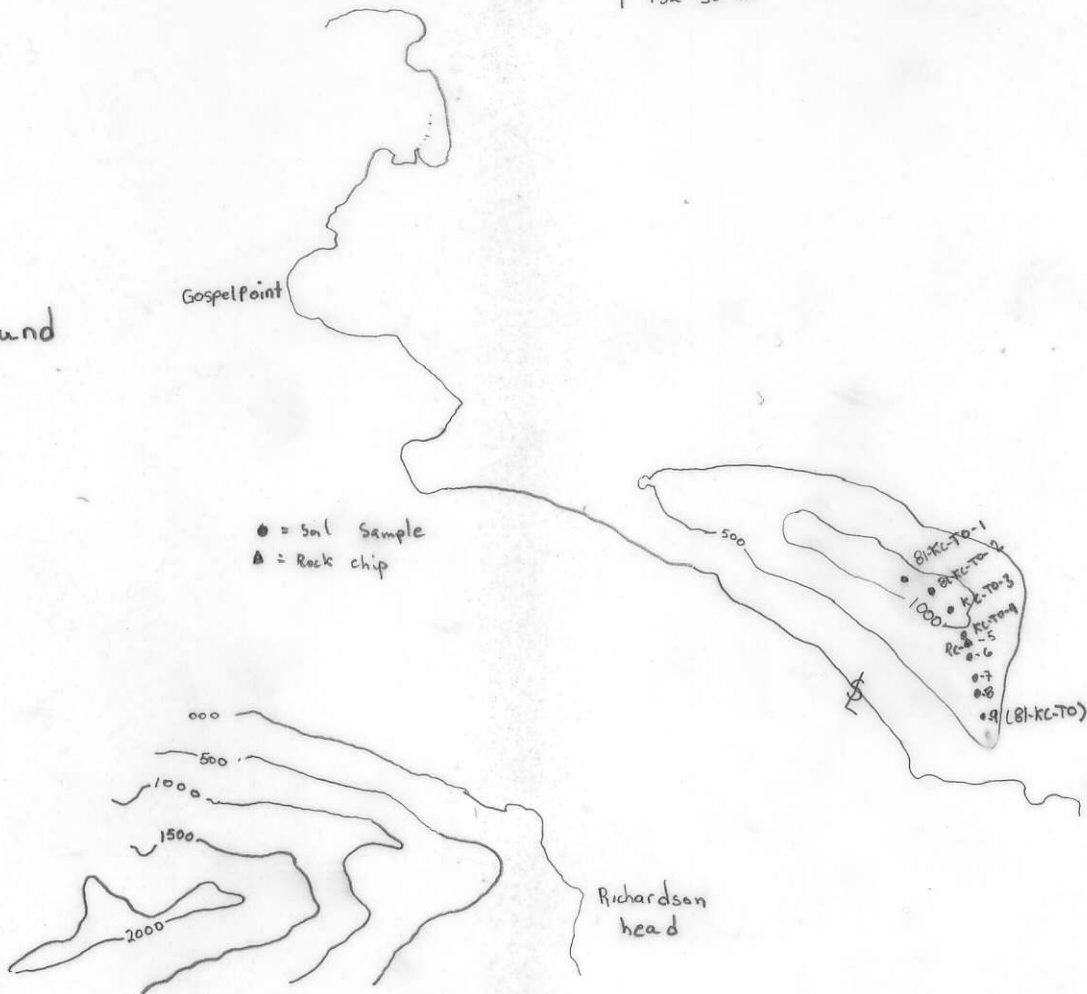
53° 25' N

132° 30' W

Rennel Sound

Gospel Point

● = Soil Sample  
▲ = Rock chip



(D)

(TO)

~~Sept~~ 1, 1981

(KC) ~~count~~ Clams  
area

Follow up

KC



Sept 11, 1981

KC  
Quartz claims

area

Recon in area of 81-RL-5 → 11  
Hg anomaly near etc yalorite/diorite  
minor Au anomaly  
(follow up of spring traverses)

mapping @ 1:510,000  
traverse starts @ Bng 120°

+191 m hit River

+919 m KC-TO-19 yellow sa clay

end of ck valley, starting up hillside  
to 647 m slope 15° area very

boggy

+740 m 81-KC-TO-20 br stoney, sandy  
clay rich soil

+800 m change. bng to 160°

+66 m creeks @ 060°

See detail

+66 m ck etc di/ altered tufts (Charnofeld)

tufts very hard, siliceous, milky blue, cherty,  
w/ small epidotic veinlets

py-rich to 2 mm dissemin & long veinlets

bng @ 100/40N

altered tufts gradational to  
altered amygdales and carbonate

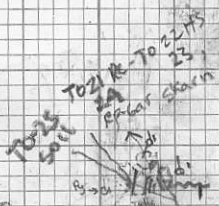
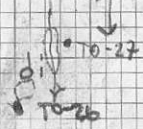
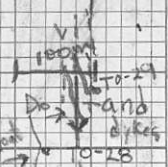
caliche amyg to 5 mm, tr py

cherty tufts gradational to

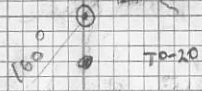
Ep-garnet skarn + Py (mid grained)

see detail

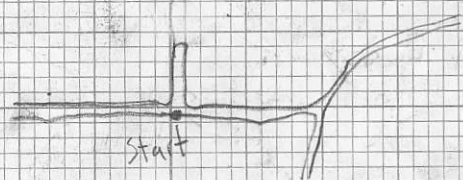
120



change bring to 160



kc-10-19



ep-6ar skarn

80% ep anhedral agg

30% lt br garnet, anhedral agg

5% minor Qtz + sky blue mineral

5% Pyrite

81-KC-TO-21 RC, 22 HS

skarn is narrow, developed in hornfels

diorite, altered

milky green, hard silic rock

Bleached out matrix, commonly

quite pyritic locally

feldspars, euh  $\rightarrow$  hypidomorphically textured,

vague (hard to see) to 4 mm

all mafics chloritized

ground mass aphanitic

TO-23 HS, 24 RC of quite

pyritic material

Result in diorite, very rusty, gony

060/30 SSE (see map,

(160°)

note RC-81-KC-TO-23 d/w un-altered

diorite

+80 m 81-KC-TO-25

Soil - Br Sa clay + stones

+316m 81-KC-TO-26

Br-sa-stony soil

Small ok of lg diorite (over)

A. D. PENHALL LTD. MADE IN VANCOUVER, CANADA  
DURABLE WATERPROOF

METRIC  
FIELD (S)



Grey weathering, fine grained  
Grey-green phaneritic intrusive Rock  
Ground mass .5mm, numerous small  
white feldspars & small .5mm grains of  
hornblende

laths of feldspar, creme coloured to  
4mm 25% (mid sized)

laths of pyroxene & hornblende euh →  
annular masses, chloritic to 7mm  
20%

1% py to 3mm euh, locally replacing  
the mafics

+385m ct @ 120° brown fn grained  
and dykes cut diorite @ 080°

diorite is heavily fractured & silicified  
slightly, alt similar at detailed showing  
chloritized hblnds, minor py  
lesser degree

fracturing in dig @ 120° & 060°

faulting in ct?

clay gouge preferal to dykes

+418m T027 Br Sa Lamin + clay

+520m ditto

+590m ct @ 120°

β/6n amg and dykes ~ mid grained  
calcitic amygdules cut ~~in~~ diorite  
in ct trend 100 ~ 120°





+620m change bearing to 260°  
to Rd

TO-29 yel-br sa loam

000m TO-29

+110m 81-KC-TO-30

Br Stoney Sa, clayey loam

+225m Sample KC-RW-7

o/c Pyritic altered ~~rock~~ in ck  
alt sla at detailed showing  
milky blue green, fractured

See next page

KC-TO-30 HS (suite of samples)

KC-TO-32 RC strong alt, rock m<sub>g</sub> hard,  
silicified & Pyritic o/c fine grained

Blue milky, sheared may be a silicified  
diorite ??? (locally + epidote)

Py tr → 19% ±  
across .3m

oops, Rocks with less alteration  
start to look like diorite again  
it's hard to say

Sample TO-31 HS

shows varying degrees  
of Alteration

+313m KC-R2-6

+1000m Road slope corrected

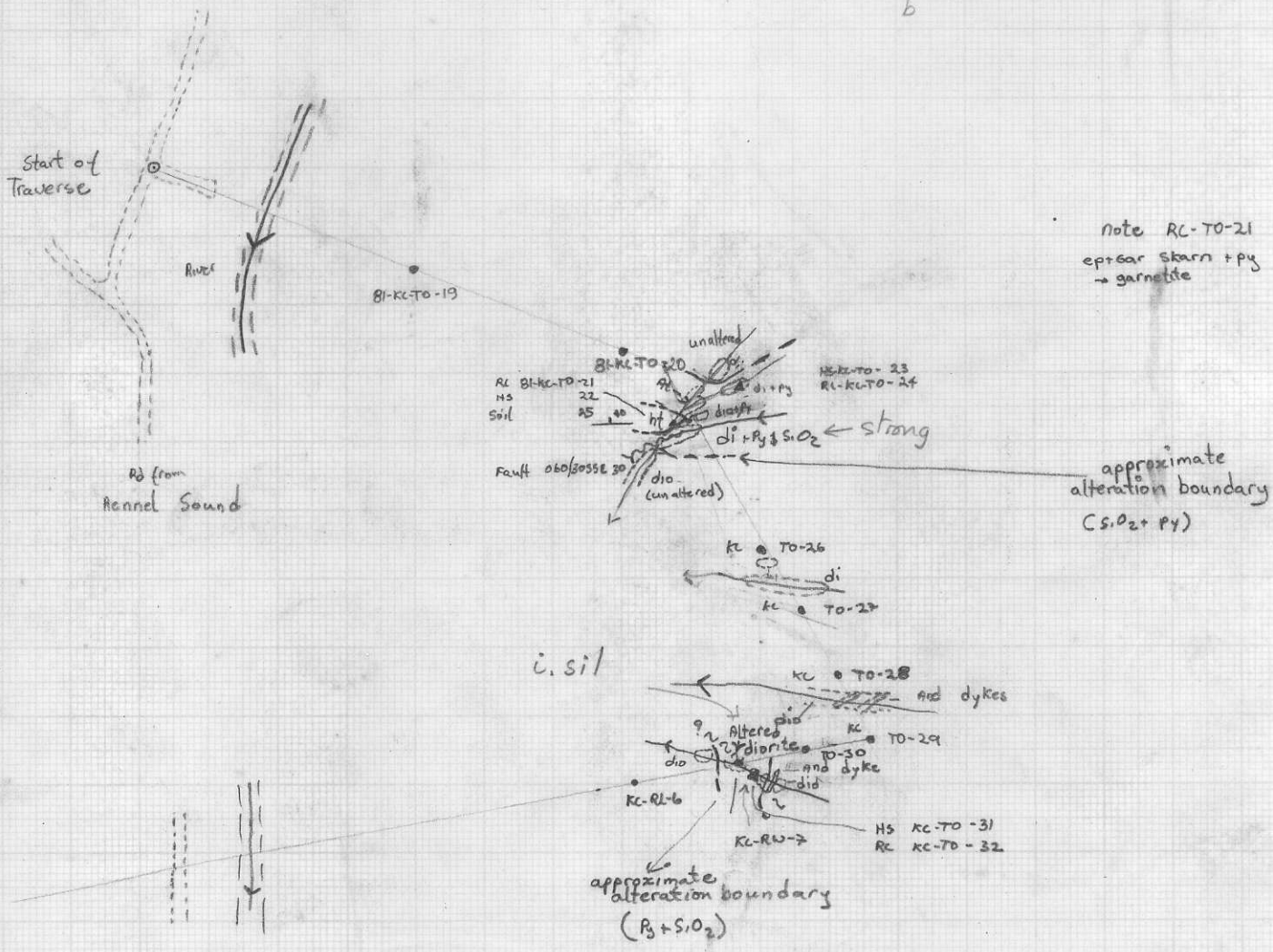
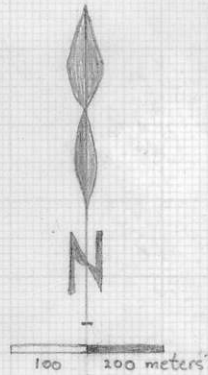


(D)

T. Oliver Sept 11, 1981  
K-Cade Claims area

Follow up on anomalous areas  
from spring traverses  
(Hg anomaly BI-RL-5-10)

w sil hem ca  
M g  
i v  
l s  
b



No



W 50 299 110  
 ATTITUDES  
 100/40 N

SANDSTONE  
 SILTSTONE

CONGLOMERATE

VOLCANIC

CHERT

SHALE

LIMESTONE  
 DOLOMITE

INTRUSIVE

GOSSAN,  
 MINERALS

SILT X SOIL ● ROCK ■ PAN △ WATER O

SPECIMEN SITE A.B.: DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED - - - ASSUMED.....

Project	NTS	Scale	Page	of	Traverse
Sampler	Location, Target (words)		Sample Nos		
Date	photo no.	Cert. Nos			



AS - 1000 AS (?) no value plotted on my map

Di contact area, 1:20,000

GEOCHEM: Cu Mo Pb Zn U W ASSAY:



A

T. Oliver

13/9/81

Follow up of traverse in spring

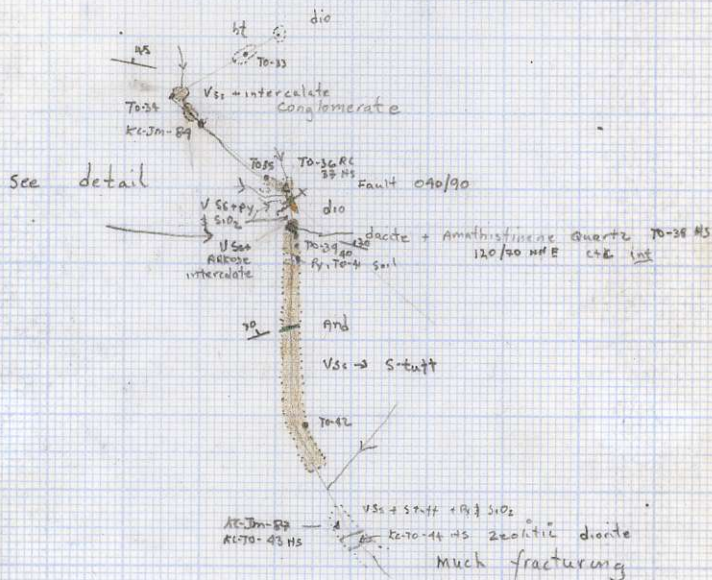
Sample BC-35 1360 ppm As

KC Regional

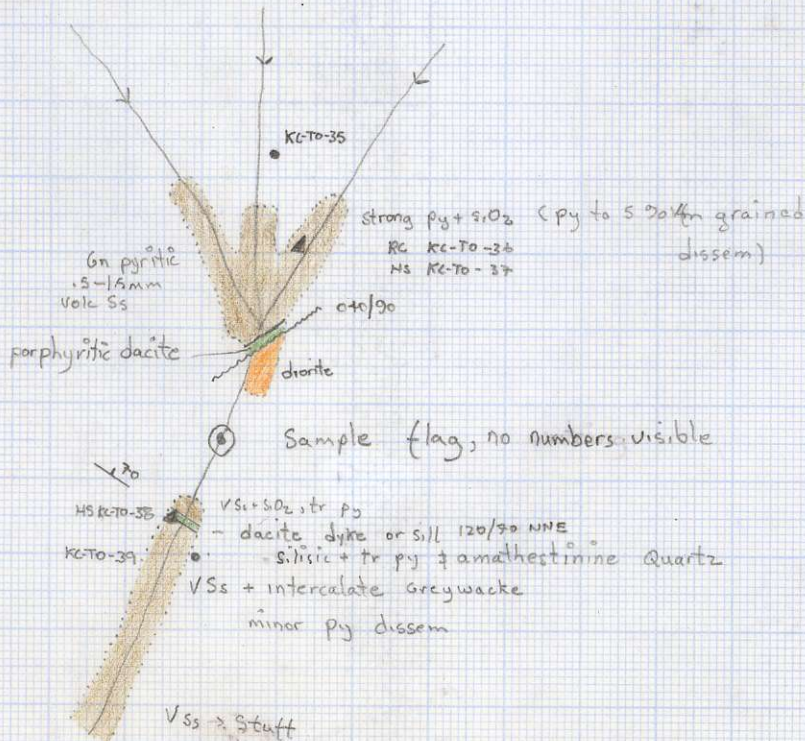


- △ RC or HS
- Soil Sample
- ⊙ Flagging in creek

1:10,000



Detail 5m





Project <b>KC</b>	NTS	Scale <b>1:50000</b>	Page <b>2 of 2</b>	Traverse
Sampler <b>T.O.</b>	Location, Target (words)		Sample Nos	
Date <b>13/9/81</b>	photo no.	Cert. Nos		

- GOSSAN, MINERALS
  - INTRUSIVE
  - SILT
  - LIMESTONE
  - DOLOMITE
  - ROCK
  - SHALE
  - PAN
  - WATER
  - CHERT
  - VOLCANIC
  - CONGLOMERATE
  - SANDSTONE
  - SILTSTONE
- DO NOT WRITE ON OTHER SIDE OR USE COLOURS
- SPECIMEN SITE A.B.: DO NOT WRITE ON OTHER SIDE OR USE COLOURS
- DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED --- ASSUMED.....

(A)

Traverse location map



traverse - - - -

GEOCHEM: Cu Mo Pb Zn U W ASSAY:



Project	NTS	Scale 1:20,000	Page	of	Traverse
Sampler	Location, Target (words)		Sample Nos		
Date	photo no.		Cert. Nos		

-  GOSSAN MINERALS
-  INTRUSIVE
-  LIMESTONE DOLOMITE
-  SHALE
-  CHERT
-  VOLCANIC
-  CONGLOMERATE
-  SANDSTONE SILTSTONE

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