

18/2

Δ7 2010 3D.

- no CO_3^{2-} bands or lams.
 - ~60% bio phy.
 - ~40% calc. sil.
- S_2 is extremely variable.

Δ8 2011 3D.

- no CO_3^{2-} bands or lams.
- 50% calc. sil.
- 50% interbanded bio phy.

 $S_2 = 155/15$ NE $D_2 \neq \text{sym.}$ Δ9 2012 3D.

- ~10% CO_3^{2-} lams.
- ~45% calc sil.
- ~45% phy.

 $S_2 = 149/22$ NE. $F_2 = 152/10$ Δ10 2013 10B.

as Δ1

Δ11 2014 3D.

- minor CO_3^{2-} lams.
- 30% calc sil. band.
- 70% bio phy.

Δ12 2015 3D. D_2 M region $F_2 = 120/10$

June 18/77

DJH

18

- cloudy

- south side Anvil Creek

- air photo = NW 70874-12-57

Ⓐ1

2004

10B?

non-porphyrific phase

- ~10% mafics bio+hb.

~10% qtz

- xenoliths of 3D near contact

Ⓐ2

2005

3D

- good calc-silicate lith.

- 60% - 70% calc. sil. bands

- 30 - 40% bio phyllite bands

- non-calcareous

- $S_2 = 100/09 S$ - $113/15 S$

- $F_2 = 110/09$

- $D_2 S$ sym.

Ⓐ3

2006

3D

- ~10% CO_3 laminations

- ~45% calc sil.

- ~45% bio phyllite

- $S_2 = 120/19 N$

1-135/14 NE

* purplish bio.phy. bands
m to 70% in places

- minor marble bands

sample DH 19/6-①

Δ 12 cont'd

$$1 S_2 = 100/285$$

Δ 13 2016 3D.

$D_2 \approx$ sym.

$$F_2 = 110/09$$

$$S_2 = 030/12 E$$

40% Calc. sil.

60% bio phy.

minor CO_3^{2-} lams.

Δ 14 2017 3D.

40% calc sil.

60% bio phy.

$$S_2 = 116/145$$

Δ 15 2018 3D.

70% bio phy.

20% cal. sil.

10% CO_3^{2-}

S_2 variable.

△16

2019

10B.

18/3

non porphyritic phase
~15% mafics (mainly bio)
~10% qtz.
coarse grained.
- joint set 025/65 E.

△17 & △18

2020

10B.

as △16.

△18 - Fe oxide stained.
felds - kaolinized
* first altered 10B outcrop.

△19

2021

10B

as △16

June 20/77

DJH

20/1

cloudy-cool

Δ1 2034 3D.

- thinly laminated calc. sil.
and bio phy.

- minor CO_3

- ~70% bio phy.

- ~30% calc. sil.

$S_2 = 146/30$ NE.

$F_2 = 132/06$

$LR = 132/06$ in S_2 plane.

$F_4 = 130/06$.

$S_4 = 120/24$ SW

Ⓐ2 2035 10B.

non porphyritic phase.

Δ3 2036 3D.

- outcrops form steep bluffs
on W. side of gully.

- minor CO_3

- 60% bio phy.

- 40% calc. silicate.

$S_2 = 022/12$ E.

①10 - back on top.

2043 10B.

- med-grained, equigranular.

- ~ 15% matrics (bia)

- ~ 10% gtz.

- no joint sets.

- outcrops form small ridges
running ~ N30E.

①11 2044 10B

as ①10

$\Delta 1 \rightarrow \Delta 4$ AMP PHOTO 70874-12-59
JUNE 20/77 JPF

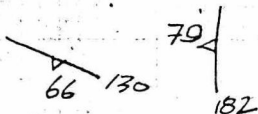
2045 $\Delta 1$ RUBALE o/c (SLUMPED?) ①0A③

INTRUSIVE M.G. 35% QTZ
15% BLACK BIOTITE
QTZ DIORITE? 50% WHITE FELD

ANHEDRAL \rightarrow SLUMPED o/c QTZ PHENOS
 \rightarrow 5MM. NOT RELATED.

2046

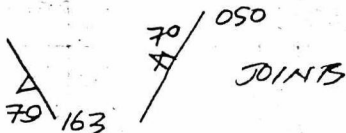
$\Delta 2$



AS AT $\Delta 1$

2047

$\Delta 3$



FINE GRAINED (1-2MM)
THAN AT $\Delta 1$ & 2. QTZ PHENOS
NO LONGER PROMINENT. SCARCE
C.G. KSPAR? PORPH.
 \rightarrow 1.5CM.

25% QTZ

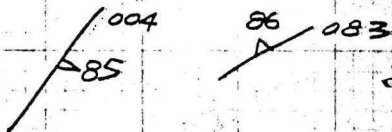
2048

A AS AT $\Delta 3$

JOINTS

2049

$\Delta 5$



TOP OF RIDGE

JUNE 20/77

H.G. → C.G. INTRODUCTION

(2) of (3)

QZ 25%

FELD 50% → RED WEATHERING

Bt 25%

2050 NO FOLIATION, NO KSAAR PHENOS

Δ6 RAFT 3G DOMINANTLY
CALC SILICATE LITHOLOGY.

1130

125

BIOTITE LAMIN.

IN FIG. DARK GREEN
CALC SILICATE.

EXTENSIVE FRACT FILL

WITH EPIDOTE - KSAAR.

ROOF PENDANT.

2051

Δ7

1120
085

EXCELLANT CALC. SILICATE.

Δ6 & Δ7 = ROOF PENDANT

2052

Δ8

79
140

043
39 JOINTS

AS AT Δ5

065
87

?

Δ5 → Δ8

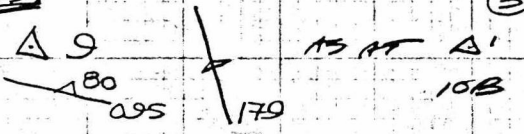
AIR PHOTO

NW 7187A-11-77

2053

JOINTS

3 OF 3



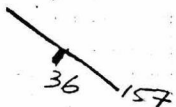
+ OCTACRYLATE? MEGACRYSTS.

AIR PHOTO 30ES JUNE 21/77
NW 70874-12-60 SUNNY JAF
Δ10-14

Δ10 51° 31' 12.9 NON. CALL
2063 GRANITIC? PHYLLITE
GB SPARY PY. SILICIFIED.

✓ Δ11 2064 Sub g/c — same as Δ10

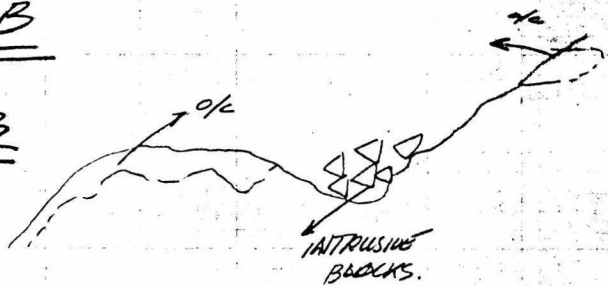
✓ Δ2 2065 " " " " "

✓ Δ13 2068  ROBE PENDANT SITUATION.

- LARGE ANGULAR BLOCKS 10B
IN DEPRESSION SURROUNDED BY
METASED.

VERT SECTION
LOOK SSE

10B
+
GB

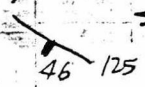


INTRUSIVE M.G. 1-2mm, SUGAR OR
GRANULAR TEXTURE.

15% QTZ
15% BLACK BIOTITE
70% WHITE FELD.

GRANULAR QZ FELD (APLITE?)
INTRUSIVE ALSO EVIDENT.

AIR PHOTO NW 71874-11-70 JUNE 21/77
NW 70874-12-60 SUNNY SIDE 405
SAME VARIATION IN METASBD TYPE S
AS AT Δ 10. GOES FROM HARD, DENSE
F.G., DARK GREY HORNFEELS? →
SLATY D. GREY → BLACK GRANITIC
PHYLLITE.



Δ 14
2067

10B SUB/O/C BLOCKS.

Δ 15
2068



WHITE → L. GREY
BED. CHERTY QTZ

Δ 16
2069

SLUMPED SUB O/C
D. GREY QTZ. WELL DEVELOPED.
SLATE PARTING ON COMP LAYERS

Δ 17
2070

SLATE RUBBLE

Δ 18
2071

ELONGATE CHERT PEBBLES
IN SILICEOUS MATRIX. SAME
AS CHERTY WH QTZ.
51 / 025

Δ 18 → Δ 19
2072

INTERBANDS ZONES OF
GENERALLY D. GREY → BLACK
CHERTY QTZ & SLATE, QTZ
PARTS ALONG THIN SLATY
SURFACES.

2078 4)

9A: interbedded massive
rusty beige cherts & lamin-
ated, dk greenish gray
tuffaceous(?) cherts. One
foln. 140, 32° SW

2079 5)

10B?: med. x thin bio-
gty monz → grad of AB
No megacrysts, no foln.
Sample only. V. siliceous

2080 6)

9A: ARGe as 4), not good
cherts but very siliceous
beige gray to green gray sst
to lam. cherty tuffs. One
persistent foln. only 155, 47° SW
So || to this foln. med.
x thin micas define this
foln.; unit texturally coarser
than phyll.

2081 7)

11B?: as 5; med → coarse
thin gty monz

20828)

6B: PISSWICK Pond

$S_2 = 163, 150^\circ SW$

$S_1 \approx 160, 250^\circ SW$

$\approx 48^\circ$
 $\circ F_2 \equiv S$ symmetry
as observed. Note:
uncertain whether S_1
as meas. above is really
metam^m foln. Check
petrographically. Rk.
is dk. gray weathering
black fresh lam.
banded, non-calc.

(20839))

10A/B: v.f. x-line musc. grd²
QM of AB; exposure heavily
ytd, no foln, few Kspar
megacrysts & slightly peg-
matoidal, Sample only

208410)

9A or 6B uncertain: Δ to
med. rusty gray weathered,
dk. gray fresh, lam. banded,
& siliceous schistose cherts
w/ minor frags (lentic). Unit
either 9A or 6B, most like 9A
ARGc

know where the hell I am
in the section

S_2 125 150 SW
 96 80 S

$F_2 \equiv S$ symmetry as
observed

$F_2 = L_2$ 170 , 80 S

N.B. S_2 undulatory & sub-
horizontal.

(2087) 13)

10D border of AB: bio-hb.
gty discrete / gran. d. of
AB w/ mod. cell dev. fol.
prod. by form orient. of mafics
Contact w/ meta. rhd locally
concordant to S_2 w/ attitude
 160° , 42° SW or less
Folu. in gty hor. sub. horiz.

(2088) 14)

10B: bio QM \rightarrow grd. of AB
w/ minor Ksp. megacrysts
no folu. Sample only

June 22/77

NW 71874-11-78

DTH

22/77

Δ 1 2089 10B (non porphyritic phase)

Δ 2 2090 10B " "

Δ 3) 2091 10B

- outcrop forms bluffs on west side of steep gully

- generally med-grained ^{bio.} qtz-monzonite

- ~ 10% bio

- ~ 10% qtz (generally 3-4 mm)

- light cream weathering

- generally unaltered

Δ 4. 2092 10B.

- as Δ 3

Δ 5 2093 10B

as Δ 3

Δ 6 2094 10B.

coarse grained.

< 10% qtz?

60:40 plag:Kspar

~ 15% bio.

- kaolinitized?

Δ 7. 2095 10c

qtz-Kspar pegmatite dyke.

June 23 / 77

air photo NW 71874-11-78
clear + warm.

(2122)

 $\Delta 1$ ————— 10B

- non porphyritic phase.
- coarse grained.
- ~15% bio
- ~10% qtz.

(2123)

 $\Delta 2$ ————— 10B

- unaltered.
- massive (no joint sets)
- non porphyritic phase.
- ~10% bio
- ~20% qtz.
- unaltered. (no joint sets)
- coarse grained.

(2124)

 $\Delta 3$ ————— 10B.as $\Delta 2$.

(2125)

 $\Delta 4$ ————— 10Bas $\Delta 2$ & 3

joint set 167/54 W

(2126)

 $\Delta 5$ ————— 10B

- minor Kspar megacrysts (<1%)
- groundmass. (coarse grained)
- 15% bio
- 20% qtz.
- 65% Kspar + plag.

(2127)

 $\Delta 6$ ————— 10B

- non porphyritic phase
- as $\Delta 1$

(2410)

100?? : AB pegmatite
w/ strong folⁿ,
127, 518W

2411)

Vesiculated → amyg.ⁿ pillows
meta^m. basaltic volcs.
Never seen before
Main folⁿ & plane of
vesicle flattening 144 185W
Pillows just visible, no
top determinations seen

So 114 145W

i.e. So 115, or plane of
flattening

2412)

36 & 308 or basaltic
metavolcs, interbedded
Looks like lg. pkg. of
metavolcs in unit 3 @

2411-2412

S₂ 132, 203WF₂ 132, 8 NWSo 115, 11S₂ on F₂

limbs

<u>Station</u>	<u>Foliated</u>	<u>Porphyritic</u>	<u>Grain Size</u>	<u>Mafics</u>
2004	-	N	-	bio, hbl
2013	-	N	-	bio, hbl
2019	-	N	coarse	bio
2020	-	N	coarse	bio
2020A	-	N	coarse	bio
2021	-	N	coarse	bio
2035	-	N	-	-
2043	-	N	medium	bio
2044	-	N	medium	bio
2045	N	-	medium	bio
2046	N	-	medium	bio
2047	-	Y	fine	-
2048	-	Y	fine	-
2049	N	N	medium	bio
2052	N	N	medium	bio
2053	-	Y	medium	bio
2066	-	N	medium	bio
2067	-	-	-	-
2079	N	N	medium	bio
2081	N	N	medium	bio
2083	N	Y	fine	musc
2087	Y	-	-	bio, hbl
2088	N	Y	-	bio
2089	-	N	-	-
2090	-	N	-	-
2091	-	-	fine	bio
2092	-	-	fine	bio
2093	-	-	fine	bio
2094	-	-	coarse	bio
2095		quartz K-feldspar pegmatite dyke		
2122	N	N	coarse	bio
2123	-	N	coarse	bio
2124	-	N	coarse	bio
2125	-	N	coarse	bio
2126	-	Y	coarse	bio
2127	-	N	coarse	bio
2410	Y	-	pegmatite	-