

OND-04A

GRID

① 273 from one knob, 058 from other
near head of glacier

1. ⁴⁸⁵⁰ ~~ADT~~ ADT-DE S, 126, 81 N L₁ 35° NW
moderate scatted g. veinlets, pods // S, ± carb. (dol)
up to 10 cm across ± chl ^{in part} beneath
very str deformed for ~~light~~ green
S₁ kinked slightly
seg. into qtz ^{vein} layers & chlorite layers

2. ⁴⁸⁷⁰ ADT₂ with abundant carbonate weather as
small brown pits 0.5-1.5 m ± brown carb veinlets
cutting S₁ med green - lt green - grey
q-carb veins as at Sta 1. interlayered with
less lumpy ADT S, 129, 78° NE
to N of etc is dacite tuff - lt grey
mineral segregation into irregular lensy layers
as @ 1.

3. ⁴⁸⁸⁰ ADT₂ abundant brown weak carb.
mineral seg. ~~slightly~~ slightly about L₁
S, 134, 73 NE L₁ 323, 17 NW

Sample of 3 - very abund q veins as @ 1.
further S on 3 S, 145, 84 SW

4 4822 Dt lt-med green. woth moderate to sd
qtz veins and crosscutting of stringers

S₁ 123, 79° NE, L₁ 21° N

higher up etc. small kulis in S₁ L₁ 34° N
in ~~AD~~ ADt + carb. mts. scath. plag.
phenos 0.5 mm.

zone of abund. qtz veins goes thru S₁

Q 4830 - 5m from base of etc - 2m wide
qtz vein zone - vein 5-20 cm

5 4772 Dt lt green. mod. abund. thru
Cahqs (lt med brown) stringers, a few qtz veins
strgs Xcut S₁ irregularly S₁ 132, 88° S

6 4756 → 4740 top 1m ADt med green

then 10m D-DAt ~~AD~~ lt green

then 5-7m ADt med green. S₁ 125, 90° E 10

qtz veins minor

Xcutting carb. qtz veins ^{lets} moderate

7. to SE near base vergence very tight isoclinal folds

ADt? abund. qtz veins

8. in Wp of ndy - opposite vergence in NW
plunging folds L₁ = F₁ 316, 26° NE

7-8 levtr tightly folded Dt with thru

some are prob ts.

probable Synform @ 1+255

S, very variable. $90 \pm 30^\circ$

8. F-L, 315, 190° NW (P1+70)

DT

At = ϕ + cont var

Cont- ϕ stages - fairly abundant $190, 73$ W

(Joh 9 (low))

9. 4590' pink weath DT = play phenos 0.5-0.15 mm

S, 158, 76° NE, 1, 13° NW

10. 4660? above fault 144, 82° NE - 2-5 cm box & gonge

(seen to E. on line dist 1.3 m A sh brown weath sph- ϕ a few mafic phenos 0.5-1 mm

sl banded || length irregular - see 078, 80 W

below - ϕ + 0.5 mm max wide sil-py dtr

zone in lacate rock resembles why. lts

zone ~ 3 m long S, 144, 82° NE

(below 10 to W minor lenses of dt = L

4, 20) m long 3-5 cm thick || S, in DT

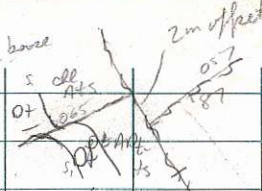
11 } 4625. DT with a few chl^{rich} lenses || fol

A dike comes thru here

on chl-rich zone ~ 1 m wide continues to 9

where it is folded out? 

12. 4495



above ADTs? str. folded L₁-F₁ 334, 14° NW
locally abundant veins

common carb. veins. some on faults
a W of etc. med gr. A dike ~ 1 m

13. 4495 ADTs med green to NE. to SW Dt as before

S₁ 148, 87 SW

moderate
carbonate

@ 12, 13 locally more chloritic

13 4490 bear - Dt overlies ADTs

S₁ 168, 40 SW L₁ 328, 10 NW

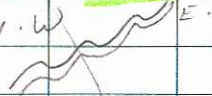
Dt varies from RR → DA

thin overlan by 7-10m Rt - siliceous + py

very shony L₁ 329, 21 NW

locally py 2-5%
in stringers // S₁

S₁ folded. W



overlan by ductile S₁ 166, 49° SW

moderate to abundant Q veins in Rand in D to E of it

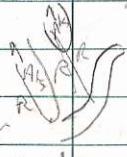
to E, 4525 on W of knob R rises out under

Dt ∴ possibly fold wave - or lens. (prob. lens)

15. 4465 Rt as R14. tightly folded strong L₁

L₁ 335, 15 NW

cut by 1m med gr. A dike
to SW of R in dikes ATs ± Gr

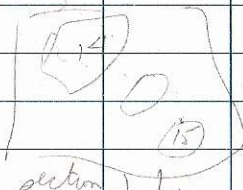


Ne edged etc is Dt

near etc NW marsh, E = py zones S₁ 168, 66 SW
± chloritic ATs, L₁ 330, 140 NW

in top of etc

fault or fld offset from 14 to 15



section 14

16. 4465 DAT med green variable to Dt

Dt green-grey - ~~etc~~ pyz veins,
to bluish grey tightly folded

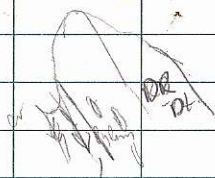
17. 4460 - ADT - ts med green grey - blue grey
strong L 331, 10° NW

@ W end long etc A dike passing thru

18. 4430. RT thin above Dt to E

L₁ = F₁ 334, 10° NW

m cliff to
S
R = 1-2 m.
thick
part E of creek



several py lenses 1-5 cm thick
w 25-50% py in D.

in alt Dt.

Strong L throughout by str folded

v. bl grey chloritic ATs:

19 4445 ATs = ^{spots} as @ 17 strong L: 333-50° NW

scattered py veins med bluish grey

(26 4475)

20 4440 ADTs as @ 19. near W end muddy DATS-t

structure as before
cut by (DA)

21. as @ 19 4400

all ADTs + -DAK + S outerops have weak mineral segs into lenses

Φ₂ not up to 2-3mm wide generally, 0.5mm or less.

larger lenses are discontinuous as if formed by shear
unshared.

4450S - 4425' (22) no as @ 21 L, strong 335, 30NW

no good S₁ to W L, 329, 12° NW

cut by Φ₂ can't see DR can wide ≈ 174, 85 SW

Some alt. nearby + carb veins into an irreg network

5122 - 4360 (2A 4360) 23.

L₁ in DR 340, 19NW

plunges beneath ADTs

to NW. (same unit as @

22)



very
A-ADTs character in part
or strong L₁ esp near DR
~~width in SW~~

DR has abundant Φ₂ veins: → deformed & pyrite stain

5110 4320' (2A 4300)

24th above @ 4344' Dt-DAK U-med brownish grey -

str folded about F₁ = L₁ 342, 10° NW, variable L₁ 330, 4 NW

before - below 24 mainly A₁S - ~~ADTs~~ generally

med-dk greenish gray to black - commonly graphitic lenses

25. 4280

ADTs +

graphitic DR

AK-M

15m

K Q veins common

Ad
graphitic - pyrite schist = A₁S

then pass major fault zone 170, 65 N.

zone - 24 wide at W is strong clay - black

graphitic gouge - 1-2 cm, same as E. in middle
some fracturing, local gouge

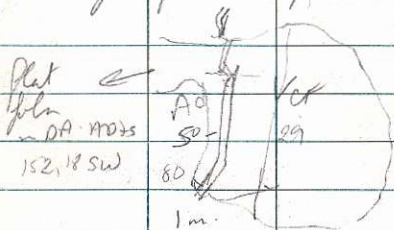
further W is DE-DRT pale blue grey

L₁ strong 338, 16 NW

29. Creek @ 000

@ 4185' banded DAT-t5 med blue grey -

fat fln wrapped about strong L₁



7+00 4085 (J04110)

30. 4110 RD+ as before L₁ 334, 10 NW

S₁ gently wrapped in synform about L₁

→ 4165 same

above on cliff DAT-t5?

31) 4115 RD of green grey - on ridge top contact 1/L₁

Str L₁ 334, 10 NW

DA-AD-t5

with dk blue grey

S₁ contact 150, 57 NE

also same on etc to SE large blob - dk blue green -

base of etc @ SW - dk green ATs very chloritic

7150 ~~4035~~ (J0406)

4035
4020

32. 4075 RD lightly folded about L₁ 324, 70°NW. pale gray
abund. veins, scattered patches py.

33. 4025 DR locally high P₁ py - lighter green looks
like a R but lenses // fol. x cutting veins
abund. defined of veins locally (zone shown on
at 2.5 = A dike 013, 79° map.)
P₁ lenses as shown on map.

@ 4100 ^{str} L₁ 349 ~~140~~ in DR-RD at
little py (near top of knob)
top of slab @ 4135. little knob to SW @ 4160
all DR-RD as below

small ote 15 m SW of 31 carbonate altered
Dt? brownish weath from abund carb veins

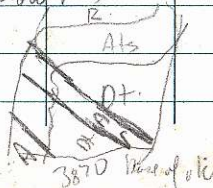
800-3970 (to 4010)

39 3970 Pyritic rhyolite as at base of 33, ^{scattered} lenses
of py up to 2 cm wide. L₁ 358, 11°NW

below @ 3935. ATs, abund br. weath carb spots,
veinlets rock med green folded gently under R.

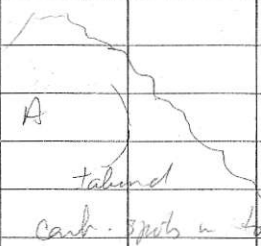
35. 3970 ^{to tr} Rhy str folded pale apple green - abundant
veins = py
to W. ATs med green = chlorite chl seams

3970 Dt below ATs



36. 3925 below 33 R-A contact

R
A



Contact steeper
R than normal

9+00 · 3820' 3800

37. 3800 to E Dt about 9 dm to east side

Some carb and veins some along
to W fr dk green At

contact 160' Dt dips under At steeply
At has carb - 97 veins - d brown sh. 017, 02.5



Creek

L. 332, 02.5 - 043 to 5
033
7-10 dm carb - 97

9+50 3855 3885

38. R. w pyrite lenses (3885)

S, 134, 35° NE

below @ 3870' Contact w At to W

lightly folded - steep up hill toward 161

A has moderate carb dk. Pyrite

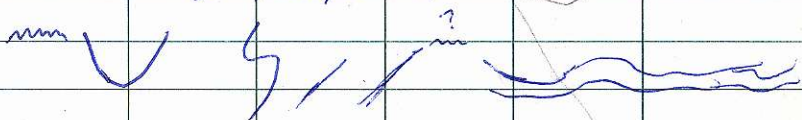
2450 (4560) (4570)

2450, 0150 E → 4560 Thin interbedded D, DA, AD E

40 - lt green sh - red green + abund sec concretions
gently waked sigmoidal $L_1 = 342, 10^\circ N$.

wraps - A 1 km, p. 1-3 m.

to ~~the~~ getting sleeper S,



mostly AD E-t's

2450 S, 1400 E (4620) -

42: (1592) - 40 E - ^{DR-RO (G2)} dacitic tuff - here thin limestone?

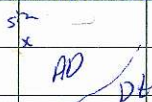
lenses - marble discontinuity - 5 m by 10-15 cm wide

11 S, (10 m S of str) D ^{DR} unit 10 m wide

then further D-DA-t's

to W AD-t's

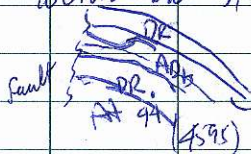
then D+ below AD-t's S, 153, 40 SW



1420 m E major fault 10-20 cm zone DR, 459° NW

fract 210 downhill

across DR S, 136, 24 - sleeper to E



$L_1 = 382, 13^\circ NW$

1450 E - 4595°

1460 E 192, 70 in D-t.

47 B 4525' DRT as before

base of etc 4465' - same lt green-grey locally

moderate Antk altz vein S₁ @ base 132 52 NE



D-DRT S₁ 132, 67° NE
uniform lt green-grey + Carb. altz.

lt W lens of chlorite-graph to a near base

S₁ 136, 81° NE

2+50S, 2+00E 4540 - (at 4.60)

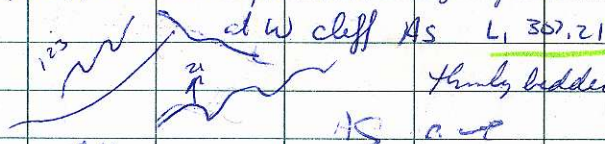
3+00S, 2+00E 4458 G 4480 4458J (chng) } @ Glacier

3+50S 2+00E 4395 G (4397) 4400

4+00S 2+00E 4367 4370

49. ~~4375~~ fine medgr Ant + carb qz vein

S₁ 123, 83 rel uniform, local tight folds

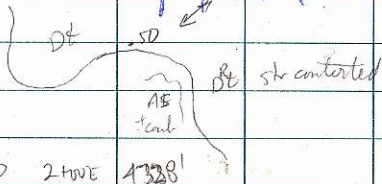


above in cliff

4415 above AS on cliff is DRT + sd folded

Antiform fold zone

11 top of A0 4432 abundant carb ^{net} layers in AS



near contact w Ductile
w abundant chlor

4+50 2+00E 4328'

52. 4320' AS S₁ 122, 81° NE ^{S₂} folded about this

200E
5400S 4320'

4305
16.

Over of dk As-ts S170, 47° NE

above RD

at 5430S

S, 125, 65-80° NE thin layered RD, AD

33

- 4297' As-ts med green S, 115, 55° NE

a few L lenses up to 3-5 cm wide

5450 54287 200E

54 4295. med-dk blue gy. Lt gy seeds -M-S? above dk purple
west

S, 146, 56° NE L, 331, 23 NW

to N. 146, 67° NE in As-ts across valley

6100S 2100E 4244'

6400S 4234'

54 4250'

S, 151, 59° NE, 4, 345, 17 NW

max mag at 54.

to W thin RD unit tightly folded

S, 145, 77° NE²¹ 337, 24 NW



S. sh.
graphitic

149, 61° NE

uniform S, med blue

grey matrix?

⊗ 56 4250. As-ts to E V str folded. large chert 1-2 cm A.

cut by 2-5 cm Q-Ank fault zone 167, 75° NE

to W. 2-3m RD unit trend 75. wide to 5.7m

~30m S. of str

to W again S-m, some str graphitic layers, & As, ts
med dk blue grey. green

3400E
6170S

4330' G-4330 JA 4340

57. S, 140, 75° NE As-^{ts} then lower med green
since lt green layers

15m NE DC thin laminated str folded.

4357⁸ S, 138, 66 NE ridge @ 21.2m @ 4350

6+50S, 3+50E 4375'

60 - As-^{ts} ^{tl} syncline axis S 099 37° N
generally thicker than as before

around corner 2-4cm F 025 73 SE

redgreen above Q. Antk veins - fault

As-^{ts} thin bedded in synclinal axis

F₁ weak 308, 8 NW

6780S, 4500E 4166 G(⁴¹⁶⁸~~4168~~) (to 4180)

Seds - commonly shaly chloite, med-^{dk}
bluish gray above is As as before

62 @ 4200 As 149, 75° NE

thin laminated unit as at 60

10m E. of 6780S, 4500E 1m A like 027, 5 steep

variable

line then 5 m w several
cut. Q veins brown str

run up to 25 cm

4166 then 5 m As ^{thin} layers 119, 38° NE

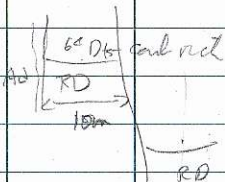
6180S

3+8SE 4200 contact As below, O-DRT above fold here

D

6+695 - RD below - Dts above | NE - 10m intrusion
 6+605 - A₅₂ | 6+575 Dts

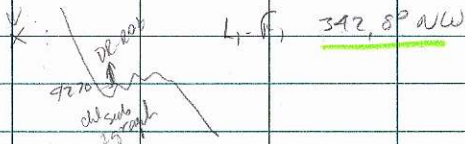
64. 4260. pos fault.



above @ 4295 - mixed Seds - some chl with rings
 Some Dts - minor A sed. highly bedded - fold
 none

6+305, 3+85 E chl. 5gr Seds med. dk blue greys.

4280 | 328, 34, S, faltensp. 047.34



6+05, 3+85 - 4300'

Contact DRT to E. Chl sed to W

65. 4315' | Ad cuts mixed dk-med ggy - blue ggy
 sides.

65 A+35 E 4280.