

Aug. 4/90

Sunny

824133

- mapping Reed Lake Grid

E 200

A LOTION, OE

- boulder float, phyllite  
 (sclerified), and granodiorite.

A LOTION, 2+85E

\* OGRLOOIX float

- massive, white, stockwork  
 fractured quartz/carbonate  
 vein, possibly albite  
 - trace sulphides.

Aug 5/90

sunny & slight overcast  
Red Lake grid.

LOT00N

A 3400E

A 5725E 0705N

- chloritic calcareous  
phyllite.

- somewhat fractured.

1/2 Snt1 262/52. ✓

A 6760E \*OCCLT002\*

- strongly foliated, compositionally  
banded quartzite.

- lenses of quartzite occ.

- fol. fracture plane parallel  
to foliation

- chloritic layers

- trace carbonate

1/2 - foliation/banding 182/60 ✓

- joints 020/68 ✓

040/75 ✓  
220

200/72

238/50

025/80

\* OCLT 003 \*

A 10+15E, 0+50N

- extremely silicified white, marble
- massive
- very high fracture density
- fractures quartz un filled
- fracture orientations  
230/50  
025/80

and many more

- main bedding (??)  
200/50

A 10+25E, 0+35N

\* OCLT 004 \*

- as above.
- very hard.

Δ 1115E @ 100N 01055

\*OCRLT005\*

- Quartz un
- 15 cm wide

120/70 ✓

- only exposed for 30 cm
- gossanous
- antiferite, sericitic
- trace py. (cubes  
↳ 1 cm x 1 cm), sphaferite,  
chalcopyrite.

Δ 1115E, 01075

\*OCRLT006\*

- Quartz un in silicified  
outcrop

- 2m x 1m outcrop

- trace Py

<sup>etc</sup> possibly silicified phyllite.

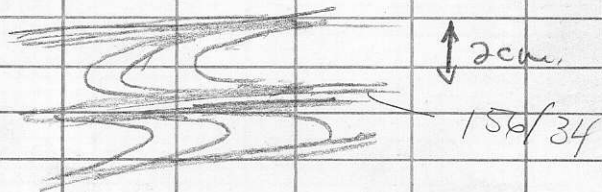
- maybe quartzite.

↑  
most  
likely

157 | 34

A0100N 11+50

- phyllite, calcareous
- foliation/schistosity defined by tight, small scale fold limbs



A0100N 11+85E

\*K06RLT007\*

- weakly foliated  
KBI Quartzite.
- massive, siliceous
- minor sericite

- 120/36

- well exposed

contact of phyllite  
overlying quartzite

- steep sided gully  
near baseline



Aug. 6/90 Sunny

- Reed Lake Cr. Rd.

- Rod + Cam

L1+00N

AB.

A 0150N, 0130E

\*OCPLT008\*

- Quartz un/lens

- no distinct orientation

-  $\approx$  25cm width

- no visible mineralization

\*OCRLT009\*

- host to above sample

- gossan, hematitic staining

- fractured with staurolite  
veining (small scale)

- phyllitic quartzite (??)

- weak foliation

018/24

- Mn staining.

→ siliceous phyllite

3/5/20

Δ 0T80N, 0T50E ~~to 100E~~

- siliceous phyllite
- grey, greenish grey
- fine grained
- foliated (315/28).
- occ. calcite veining and pods
- very hard, extremely siliceous
- some quartz veining.
- homogeneous.

Δ 0T95N, 2T00E

- float?

\*OCRLT010\*

- massive, white to greyish white, quartzite and quartz UNS. up to 8cm
- trace pyrite.
- UNS are gossanous in areas
- quartzite is fine to medium grained, recrystallized.

Altoun, ~~at~~ 210E

- talc, biotite, chlorite, biotite  
phyllite.

- very soft.

- grey to greenish grey

- well developed crenulation  
cleavage (tremolite)

<sup>trf</sup> 1% f.g. diss. Py

- ferruginous staining

- possibly f'spar alt'n

A7125E, 1100N \*Ocklto11\*

- massive white and dark

grey quartzite,

- extremely siliceous

- compositional banding

but interfolial material

is extremely silicified

- almost cherty appearance

- quartz veining abundant

- lenticular <sup>white</sup> quartz bounded

by dark grey silicified

mica (?)

128/28

340/75, 254/72

076/23

- conjugate of veins (1 cm wide)

034/53

020/40

Δ 8410E, 1100N

\*OCRL012\* tr chaled

- h'blende porphyry dyke

076/23

- weakly calcareous

- h'blende phenog to 35%  
of rock

- light gr grey ophanitic  
groundmass

- weakly magnetic

\*OCRLT013\*

- foliated quartzite

074/6

- appears to have compositional  
banding like before

- would be mistaken for  
massive, cherty if not  
in this outcrop.

- weakly calcareous

- grey, greenish grey

- micaceous??

8100E, 0185N

#DCRLT014#

- fairly pure quartzite  
to quartz vein

- calcareous joints

#220/52

- some fccarb

- tr ser.

A10E, 1100N

- chloritic phyllite

- green

- tr, py

- calcite veins

- fine grained

#140/40

A1125E

- siliceous phyllite

= micaceous

= quartz grain

- chlorite

#125/45

Aug 8/90 Overcast  
Reed Lake Grid.

- mapping LINE 2400N

AB - Phyllitic quartzite/  
siliceous phyllite

- more quartzitic than  
phyllitic

- compositional layering  
separated by  
graphitic foliation

- lenticular quartz  
separated by graphitic  
laminae/foliae

- foliae to 1cm thick

Δ 25W - as above

1/5m 315/25



A 5+ 55. ~~E~~ 2+00N

\*OCRL015\*

- drk green, talc, chlorite  
epidote schist

- coarse grained

- weakly foliated

- tr. pyrite

\* - old sample RB 303

A 5+ ~~55~~ E 2+00N

\*OCRL016\*

- drk green, possibly  
hydrothermally  
fractured, epidote, chlorite  
altered

- minor talc

- possibly <sup>gabbroic</sup> dyke in

parasymphathetic shear

to small gully at  
5+15W

- possible orientation  
182/60.

- weakly calcareous

Δ 6+00E 2+00N #0CRLLO17A

- leucocratic, grey, fine grained roughly equant granodiorite
- subhedral laths of hornblende randomly oriented up to 1 cm length
- 20% - 25%
- quartz and plagioclase roughly 70:30
- 1% f.g. of ss. py.
- rusty fracture surfaces
- massive unfoliated.
- roughly oriented 336°

Δ 6+20E 2+00N

- phyllitic quartzite/siliceous phyllite
- very well foliated
- ↑ S<sub>41</sub> 204/60
- crenulation lineation  
40 → 330.

A 6+75E 2+00N

- undifferentiated quartzite
- phyllitic quartzite, foliated quartzites, siliceous phyllite.

Z 5N 316/32.5  
200/485

A 7+25E 2+35N

- \*KOCRLT018\*
- Quartz un / ~~or~~ massive gbk
- 25 cm thick
- gossanous
- no visible sulphides
- sericite, ankerite on fractures.
- some graphite
- hosted in foliated (banded) quartzite bordering on meta chert, and massive quartzite SN Z 154/58
- un(?) roughly parallel foliation

A 775E, 2105N

#OCLL019X

- hornblende phytic intermediate  
dyke

see sample #OCLL012~~3~~<sup>12</sup>X

- 30-35% hornblende laths  
up to 5mm long

- very calcareous

- trace to 1% dzss Py.

- unfoliated

- intruded along foliation  
plane. 110/42

A 8150E, 2125N #OCLL020X

- stockwork fractured and veined  
massive, banded, cherty  
(silicified) quartzite

- dark grey fine grained

- high fracture density

- some iron staining

- quartz on stockworks

Quartz 030/50

270/20 predominant.

some vns rose colored

A 8+20, 2+00N

f. Sh. foliation/bedding/  
comp layers 114/28

A 11+10 2+00N

- into calcareous phyllite
- strong foliation 084/30
- may be float.

A 11+50E 1+90N 40C/D L TO 21 \*

- extremely massive, white  
quartzite/Quartzit
- 1m wide x 10m long  
exposed
- sandwiched between 2  
small lenses of phyllite
- gossanous locally

f 100/34 paralleling  
foliation

Aug 13, 1990

Stunny + Warm

- Mapping L3N Reed Lake Grid

A 3+50E, 3+15N

- Phyllitic quartzite/siliceous phyllite

- crenulated compositional bands

- dark grey

- phyllitic domains around lensoidal, lenticular

QF Domains

35m2 018/48

35m1 260/30

- compositional layering / foliation

- axial plane of microfolded compositional layers

315/30

20° -> 054

3+75E <sup>foliated</sup>

- massive siliceous staurolite-bearing quartzite

3 280/30 still visible.

J1 - 040/68

J2 128/78

4410E

- well foliated lt green  
calciferous phyllite

- fine grained

- occ quartz carb veins

7 Sm1 246/18

1 Sm2 208/00

- crenulation  
cleavage.

4415E

- small fold in quartzite

forming core of phyllite

F.A.P 274/20N

- reclined, overturned

F.A. 18 → 078

1 188/12

- rotated quartz lens



A4420E 300N

- contact of well foliated calcareous phyllite overlying massive siliceous quartzite
- 214/14
- ∇ parallels foliation 214/14

A444E

- Joints in quartz
- J1 - 296/ver,

A5700E

- massive unfoliated gabbro intrusion

A6100E 8025N

- massive dark grey to black staurolite fractured
- siliceous
- weak foliation. 224/12
- J1 038/vert



246/32

090/20

A 6+75E 3+00N

- siliceous phyllite / phyllitic  
quartzite.

-  $\nearrow$  308/20

A 7+20E 3+00N

- massive unfoliated

siliceous stockwork  
fractured / veined quartzite

J1 224/40

J2 308/78

J3 270 / vert } conj.

J4 220 / vert }

- creek fol at base  
of cliff

$\nearrow$  090/20

A 10+50 3+00N

- well foliated fine to medium  
grained siliceous phyllite /  
phyllitic quartzite.

$\nearrow$  - compositional layering / bedding

$\nearrow$  - defines ore foliation

$\nearrow$  Spt = 246/32

- cleavage fol

- cleavage fol in  
defines 2nd

1/ S4+2 = 126/40

10+75 3+45N

- massive, siliceous

dark grey g fite

- sil flodable

- possibly originally  
PNA / SPH

- bedding / comp layer in  
1/ 068/20 116/40

J1 060/78

J2 020/74

10+85

- contact

- g fite over

150 phyllite / sil phyll

1/ 088/62

1170 E

511 phy 11 = some carb

strings

7 150/46

## Reed Lake Grid

Aug 15, 1970 Sunny, Warm  
- Reed Lake grid

Line 4700N

△ BL 0E, 4700N  
Road

△ 385E, ~~3730N~~

- contact between  
SPH/PHQ and massive  
dark grey compositionally  
layered/foliated quartzite.
- contact defined by  
extremely foliated/schistose  
chloritic calcareous  
layer

- mm wide foliations.

f 226/28 contact

f 188/28 (SPH/PHQ)

f 192/32 (Qtz) bedding/  
stratification

- SPH/PHQ & OERLLO22\*

- Qtzite & OERLLO23

150  
~~330~~ / 70 2111

Sheet 1 146/80

Sheet 2 140/64

6+35E, 4400M

\*OCLT024\*

Quartz vein

12 cm wide

- massive white fractured quartz vein

- localized Fe staining ser, andankerite

- 3 veins in area of same width and orientation

~~300~~ / tr carb on fractures  
150/70

\*OCLL025\*

- host to above.

7 Snt 146/58

7 Snt 140/64

- very well foliated fine grained drk grey phyllite.

- quartzose in areas but not pervasive

- graphitic sheen

- some carb stringers not abundant.

4400N, 6+ SE #0CRLT026\*

- very gossanous massive stekwork fractured and quartz veined quartzite
- pink ser
- graphite
- some stekwork veining
- uggs.

7+2SE 3+9SN #0CRL027\*

- dark gray green
- well defined foliation but not prominent
- strongly calcareous
- moderate hardness but scratchable.
- calc phyllite

7+2SE 3+3SW

#0CRLG028\* FLOAT.

- fuchsift, carbonate altered quartzite??
- quite heavy.



Δ 4400N 10+3SE

- light green massive to strongly foliated fine grained calcareous phyllite

- chlorite lenses to 4mm length elongated and ~~fr~~ parallel to foliation, and flattened

$\beta \perp$  to fol  
 $\nearrow$  124/20

- chlorite also forms inter folial lamellae

- this is an odd looking rock which has not previously been seen by yours truly.

Δ 10+60

foliated quartzite  
 110/60

A 117608 4+15N

- foliated, siliceous phyl-  
linitic gneiss  
# 160/44

- cut by N-S trending  
massive competent  
granoblastic granite,  
to granodioritic dyke.

## Reed Lake Grid

Aug 21, 1990 cloudy, RAINING

LINE 7400N

ATB. 0 to 0.

Δ 7400N 1 to 2 SE

- ROAD

Δ 7400N 2 to 7 SE

- quartzite floor
- weakly foliated with graphitic/chloritic anastomosing laminae.

Δ 7400N, 2 to 3 SE 1988/90

Road to Reed Lake.

- also 0/c of massive to weakly foliated quartzite at 4+97N

- at 7405N, fine grained laminated (1/2 to 1) chloritic calcareous phyllite

7 198/50

# Δ 7+00N, 3+25E

- line ends possibly due to cliff ahead?
- thick bush.

Δ 6+90N, 3+20E

- massive grey to white weakly laminated, jointed siliceous quartzite/foliated quartzite
- jointing + lamination/foliation
- J1 171/vert
- 7 weak 078/26
- questionable

**Δ 8+00N**

Δ 8+00N, 1+25E

- Road.

Δ 8+00N, 2+25E small sharp gully; fault??

Δ 8+00N 2+25E

- subcropping f.g. calcareous chloritic phyllite.

Δ 8100N, 2+7SE

- Road to Reed Lake.

Δ 8100N, 3+00E

- Subcrop/outcrop of weak to moderately foliated quartzite

- compositional layering defined by chloritic laminae

7 180/10

Δ 8100N, 3+25E

- EOL Due to Cliffs

also foliated quartzite

**L9100N**

- beginning at road to Reed Lake.

- 2+25E

Δ 9100N, 2+50E

- siliceous phyllitic / ~~quartzitic~~ quartzite

- more phyllitic than quartzitic.

- fine grained chloritic  
 phyllitic laminar  
 surrounding  
 of quartzitic microlithons

↗ 224/60

△ 9100N. 3125E

- foliated f.g. siliceous  
 calcareous phyllite  
 - quartz carb micro  
 lithons

△ 9100N 3150E

Road  
 and Reed Lake

△ 9100N 3150E

- boulders of massive  
 siliceous stewartite <sup>quarried</sup>  
 dark grey to black <sup>very</sup> weakly  
 foliated quartzite.

A 9400N 7+20E

- chloritic calcareous phyllite
- green
- well foliated

 $\frac{1}{B} 130/34$ 
D 9405N ~~8110E~~ 7+95E

\*OCRLLO29\*

- light grey green semi massive to massive ~~to~~ weakly foliated
- ~~possibly mylonite~~ <sup>rock</sup> possibly <sup>the</sup> metamorphosed phyllitic quartzite
- weak foliation / comp banding still present
- $\frac{1}{B} 200/38$
- coarse grained recrystallized quartz
- emb. along foliation
- ~~trace~~ <sup>weak</sup> carb
- trace to 1% fuchsite
- appears almost intrusive on some surfaces.

Δ 9toon, 8 + 50E

- stopped

- eye is marble

- this area needs  
more detail.

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L9toon

- Δ 9toon 2toe

- heading west to  
finish this end of  
lino.



Red Lake Grid

Aug 24, 1950 Slight overcast

(L7+00N)

Δ 3+80E, 7+00N

- Base of cliffs

- massive siliceous  
quartzite.

Δ 8+50E, 7+00N

- base of steep slope

- large boulders of  
chloritic phyllite, med.  
grained.

Δ 10+85E, 6+80N

- chd weakly chloritic  
calcareous phyllite

- grey, medium grained.

Δ 120/46

A 11+6SE, 7100N

• sharp gully at 324°

- float in gully is primarily  
granodioritic

A 12+00E, 7100N

-EOL

LINESTON

A 12+00E, 8100N

A 9+00E, 8120N

- compositionally banded

2 phyllitic (chl) domains,

separating quartz, quartzose  
domains

• SPN/P#0

- more phyllitic than quartitic

128/23

\*OCRLLO30\*

L9+00N

Δ 575E, 9+00N

\*OCRLT031\*

- gossanous quartzite  
float material
- may be subcrop
- Mn staining.
- ank,

Δ 7+75E, 8+90N

\*OCRLLO32\*

- medium grained dark grey  
to black gabbroic intrusion
- may be hornfelsed sediments
- massive
- 70% mafics
- 25% fspars
- 5% carb alteration

A 8+48E, 9+03N

\*OCRLLO33\*

- massive blue white  
very hard <sup>siliceous marble (?)</sup> quartzite (?)

\* Some areas weather like  
marble \*

- weakly to moderately  
calcareous

- block strikes roughly  
North-South

- resistant N-S trending  
quartz stockwork stringers  
show easily in rounded  
less resistant marble (?)  
host.

J1 350/84

Δ 8+50E, 9+50N

\*OCRLLO34\*

- compositionally banded  
foliated quartzite

- almost gneissic

in appearance

- 7 098/30 comp banded

J1 = 350/vert

Δ 8+40E, 9+60N

\*OCRLT035\*

- possibly sheared  
fault contact

- shear foliation

Δ = 140/30



- calcareous shear

Δ 8+40E, 9+70N

\*OCRLLO36

- bulk sample around  
area ~~at~~

- extremely high fracture  
density

- high density fracture  
filling, gtz veins

silicifying, marble

A 8+40E, 9+75N

- quartz vein 8cm wide

186/60

#OCRLT037K

- massive white fractures
- no visible <sup>mineralization</sup> ~~alteration~~
- weak carb alteration.

A 8+75E, 9+00N

- well banded well  
foliated <sup>calc</sup> phyllite

- carbonate banding

A 12+00E, 9+00N  
EOL