

Richter

Aug 9/90 - Mapping Testalinden Grid  
R. Young

824131

A1 ATP: Outcrop; Qtzite / Metachert.

- completely silicified

- Foliation  $\swarrow$  45°

205

- foliation parallel to minor  
compositional layering in  
Qtzite

- minor Qtz veining, veins 1mm wide

A2 ATP: Outcrop: Calc, Phyll 065

- Good foliation  $\swarrow$  40°

- Moderately well indurated,

(can be broken up by hand.)

- Med gray colour  $\bar{c}$

high chlorite content.

A3 ATP - Outcrop/Subcrop: Calc, phyll

- foliation  $\swarrow$  096

56

- Well indurated.

- calcite pods upto 1cm wide


Δ4 ATP: Outcrop: Calc Phyll.

- well foliated 

- Calcite pods up to 1cm wide.

Δ5 ATP Outcrop: Siliceous / Calc, Phyll

- well foliated 

-  32  
160

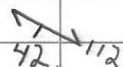
- Very well indurated Phyll which is partly silicified in places.

- calcite pods + veins

- Qtz Dyke trends  $85^\circ$   
198

- Dyke is very F.G. Qtz and is bleached white.

Δ6 ATP: Outcrop Calc Phyll

- Well foliated 

- well indurated.

- Subcrop of Calc Phyll and Siliceous phyll in area.

A7 ATP: Outcrop of Phyll.

- phyll varies btw carb phyll to very siliceous phyll over the outcrop.

- unit is well foliated

40 → 165

54 → 150

- Qtz vein is parallel to Foliation

54 → 150

- Sample # ORTL2001 Qtz vein:

- vein has foliation parallel to one in phyll.

- vein is very f.g. and bleached white.

- vein is rusty brown colour on weathered surface.

- vein is  $\approx$  20cm wide

- red stain also occurs on vein.

- Grab sample from outcrop.

- Δ8 ATP Outcrop; Calc Phyll./sil phyll
- poorly foliated
  - extremely well indurated unit
  - homogeneous texture.
  - maybe partly silicified but can still scratch with knife

- Δ9 ATP Outcrop sil phyll/calc phyll
- SOS Δ8 but more silicified
  - harder to scratch, still contains carb.
  - Poor Foliation
- ← 090  
56.

- Δ10 ATP subcrop: Qtzite
- massive Qtzite, some foliated Qtzite.

Sample # DRTL002

- massive Qtzite
- minor red staining
- some Qtz Xtals in vugs.
- Grab sample from subcrop.

Aug 10 Mapping Testalinden

Albitized

A11 ATP Outcrop: Amphibolite

- FG. Homogeneous Hbl  
rich amphibolite

- minor Qtz v. in Rock.

- Unit is slightly bleached  
+ Gossanous in places.

Sample # ORTL 003

- Amphibolite FG Hbl c

minor Qtz v.

A12 ATP Outcrop: Amphibolite

See A11 but slightly more  
gossanous + more bleached.

- two sets of Qtz veins

$\frac{1}{40}$  290  ~~$\frac{325}{90}$~~

A13 ATP Outcrop: Amphibolite

See A11 but more gossanous  
and more bleached.

Δ14 ATP Outcrop Mass Qtzite

- Mass white Qtz & minor dark layers of clay (may be old foliation)

- Jointed 50°

230

Δ15 ATP Subcrop: Fol Qtzite/Sil phyll

- Very silicified unit with prominent foliation

60°

203

Δ16 ATP Outcrop: Sil, Calc phyll.

- well foliated phyll with calcite and Qtz bands/lenses

- Fol. 70°

220

Outcrop Sil phyll.

- well foliated phyll with Qtz lenses/bands.

Fol. 58°

230

A17 ATP: Outcrop Calc Phyll + Sil phyll  
 - Well foliated phyll +  
 calcite veins + pods.

Fol  $\frac{76}{200}$

- Silc Phyll Bands through  
 calc phyll parallel to  
 foliation

note: outcrop may be all sil phyll  
 with minor bands/pods of  
 calc phyll.

A18 ATP: Outcrop: Contact blue  
 Fol Qtzite and Massive  
 Qtzite

- Contact appears to be  
 parallel to foliation

- Foliation  $\frac{66}{140}$

A19 ATP Outcrop Fol Qtzite/Sil Phyll.

- Unit varies from mainly  
 Qtz (Fol Qtzite) to mainly phyllite  
 (sil phyll)

- unit is well foliated  $\swarrow$   
50 155

- Outcrop sil phyll, phyll  $\bar{\bar{}}$  bands/  
pds of Qtz.

- well foliated  $\swarrow$   
54 120

A20 ATP outcrop btw calc phyll +  
Mass Qtzite.

- calc phy is very well  
foliated and also well  
indurated. but breaks easily  
along foliation

- fol  $\swarrow$  110  
34.

- Mass Qtzite may be  
metachert.

- it is poorly foliated and  
slightly fractured.

- jointing  $\nearrow$  70/  
200

A21 ATP outcrop  $\bar{\bar{}}$  Mass's Qtzite

- jointing  $\neq$  90.



Aug 11, 1990 Mapping Estalinden

A22 ATP Outcrop; Amphibolite

- unit is well fractured.
- alt and bleached in parts.
- Qtz veins up to 20cm wide occur in unit.
- Jointing 85° / 23° ~~73°~~  
200

- Sample # ORTLHOOK.

- Alt Amphibolite
- Bleached white and silicified in parts
- well jointed.
- Gossans.
- Grab sample from outcrop.

A23 ATP outcrop Sil Phyll

- well foliated + indurated phyll with bands/peds of Qtz; calcareous.
- fol 80°  
187

D24 ATP outcrop Mass Qtzite/Metachert.  
 - Slightly banded blue-gray  
 Qtz with numerous Qtz  
 veins cutting through it.  
 - well developed jointing  $\rightarrow$  185  
 85

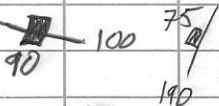
D25 ATP outcrop Fol Qtzite/Sil phyll  
 - gradual change from  
 Fol Qtzite to Sil phyll.  
 - well foliated.  $\nearrow$  140  
 62.

- change btw unit appears  
 to be parallel to Fol.

Aug 12/90 Mapping Testelinden

A26 ATP Outcrop Amph.

- highly silicified outcrop, bleached white in parts
- Slightly Gossanous in places.
- Qtz veining.
- Jointing



- Sample # ORTL005

- Amphibolite
- Bleached + silicified.
- Weathered a rusty brown colour, slightly gossanous.

Sample # ORTL006

- Amphibolite
- less bleached than ORTL005 but very silicified
- Qtz veining
- weathered rusty brown in places

## A27 ATP Outcrop Qtzite:

- Mass Qtzite and in places slightly foliated Qtzite
- outcrop is well jointed.

$\begin{array}{r} 020 \\ \hline 190 \end{array}$ 
 $\begin{array}{r} 50. \\ \hline 260 \end{array}$

## A28 ATP Outcrop: Sil Phyll.

- Well foliated phyll.
- Calcareous, + Qtz veins/pods.
- Foliation

$\begin{array}{r} 60 \\ \hline 160 \end{array}$

## A29 ATP Outcrop Sil Phyll.

- Homogeneous very sparry foliated phyll
- unit is very hard.
- Jointing

$\begin{array}{r} 060 \\ \hline 90 \end{array}$ 
 $\begin{array}{r} 90. \\ \hline 160 \end{array}$

NEVILLE CROSSBY INC.

A30 ATP: outcrop Mass Qtzite.

- Pure White - Gray Qtz
- Jointed.  $90^\circ$  -  $180^\circ$   $175^\circ$   
230

A31 ATP outcrop Intrusive.

- Med grained, gray, Intermediate intrusive Rx composed almost entirely of Feldspars.
- Rx is homogeneous & some Qtz veins (up to 3cm wide) through it.
- Jointing  $175/85$
- Sample # OR TLL007
  - Intermediate Feldspar Intrusive.

(or is it an alt phyll, unit is foliated in some areas?)

Δ32 ATP Outcrop Qtzite.

- Massive Qtzite with slight banded appearance but ~~see~~ foliation
- Jointing  $\begin{matrix} 356 \\ \swarrow 72 \end{matrix}$   $\begin{matrix} 305 \\ \swarrow \end{matrix}$   $\begin{matrix} 85 \\ \swarrow \end{matrix}$   $\begin{matrix} 69 \\ \swarrow \end{matrix}$

234

- Sample #ORTL008.

- Fol Qtzite, Coarsenous on weathered surface.

Δ33 ATP Outcrop Mass Qtzite

- Massive Qtzite white to blue gray in colour
- Jointing  $\begin{matrix} 300 \\ \swarrow 72 \end{matrix}$   $\begin{matrix} 85 \\ \swarrow \end{matrix}$   $\begin{matrix} 90 \\ \swarrow \end{matrix}$

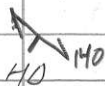
200

170

Aug 13/90 Mapping Teitelinden.

A34 ATP Outcrop Fol Qtzite + Sil

phyll  
- Massive Qtzite / Fol Qtzite  
Foliation



- composed entirely of Qtz  
- some Qtz veins cut  
unit parallel to jointing

siliceous  
+ Qtz v.  
ite

- Contact btw fol Qtzite  
and siliceous phyll is  
parallel to foliation.

- Fol. in phyll is the same  
as foliation in Qtzite  
- Phyll is also calcareous.

- very slightly cross-bedded.

A35 ATP Outcrop Mass Qtzite

- Mass white - gray Qtz.  
which might be slightly fol.

- Jointing  $80 \times 180$   $\frac{64}{20}$

- Unit has minor Qtz v.
- Some parts of outcrop are slightly gossanous.

D36 ATP Outcrop: sil phyll.

- Well fol. sil phyll  $\bar{z}$  Qtz v. + calcite veins/peds parallel to fol.
- Fol.  $\frac{000}{490}$ .

D37 ATP Outcrop: Gossanous Amph.

- Green Amph  $\bar{z}$  thin bands of dark green amphibole minerals (Ptblnd?)
- Unit varies from less alt Amph to bleached amph and silicified amph.
- Jointing  $336$   $\frac{55}{225}$   $\frac{80}{190}$
- Unit is very Gossanous.
- Some Qtz v. in joint planes.



## 138 ATP Outcrop Sil Phyll.

- Very homogeneous dark gray unit that may be poorly sil phyll.

Jortig A

040  
\*90

- Sample # OR TLL009

- FG. gray homogeneous unit, (sil phyll?)

- some calcite min.

- some dark black/green phenocrysts in unit.

## 139 ATP: Outcrop Mass Qtzite/Metachert

- Pure Qtz which is slightly banded, color varies from blue gray to white

- Numerous white Qtz. veins cut unit. The veins are from 1mm to 10's of cm. wide.

- The unit appear slightly gossanous in parts.

A40 ATP outcrop Fol Qtzite

- Very well Fol Qtzite.

(alternates btw black sil phyll bands 1mm thick, and white Qtz bands 1mm thick.

- Fol <sup>064</sup>

↙  
24

- Jointing

<sup>035</sup>

~~90~~

<sup>65</sup>  
265

A41 ATP outcrop Amph + Fol Qtzite

- The contact btw the two unit appears to be a fault.

- Fault trends

<sup>2</sup> 7 <sup>and</sup> <sup>2</sup> 90  
85 <sup>2</sup> 168 160

- The Amph is bleached. In some areas and gossanous in parts.

- Fol. Qtzite varies btw pure Qtz and a very siliceous phyll.

- Sample # ORTHOTO

- Amph: FG med Gray Green with stringers of black green amphibole mineral.
- Some minor Qtz veining.

- Sample # ORTLLO11.

- Bleached Amph: White coloured FG Amph & stringers of black green mineral. Unit is very gossanous. and has minor Qtz veining.

A42 ATP outcrop: fol Qtzite

- well foliated



- (could be sil phyll)

Aug 14/90 Mapping Testelinden.

Δ43 ATP Outcrop Sil phyll.

- Very well indurated gray phyll.
- Poor foliation  $\frac{98}{190}$
- Calcite min.

Δ44 ATP Outcrop Sil phyll/Qtzite.

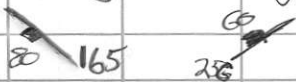
- completely silicified phyll.
- fol. is very poor and not distinguishable
- Unit is homogeneous  $\neq$  calcite min.
- Jointing  $\frac{064}{80}$   $\frac{80}{190}$

Δ45 ATP Outcrop Sil phyll + Qtzite

- Sil phyll is similar to Δ44. very hard + poorly foliated.
- mass Qtzite is well jointed.  $\frac{190}{160}$   $\frac{50}{235}$

Δ46 ATP Outcrop Amph.

- FG Gray green Rx  $\bar{c}$  thin bands of Black/green amphibole minerals
- Unit is well jointed.



- Bleached white in parts.
- Sample # ORH012
- FG Bleached Amph  $\bar{c}$  thin bands of Black/green amph minerals.
- Root is gossanous.

Δ47 ATP Outcrop: Sil Phyll

- very siliceous phyll  $\bar{c}$  carbonate min.
- Poor foliation  $\nearrow$   
200  
170

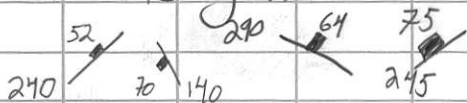
Δ48 ATP Outcrop Amph.

- FG Gray green Amph 50s

Δ46.

- Amph is extremely Bleached

and gossanous in parts.  
 - Unit is jointed



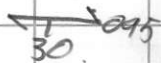
- Qtz veins up to 3cm thick are found in some joint planes. Qtz v. are milky white to clear in colour.

- Two trenches cut E-W across the outcrop.

Δ49 ATP outcrop: Sil phyll.

- very hard dark grey phyll.  
 some white min.

- poorly foliated



- some Qtz veining (up to 2cm wide)

Δ50 ATP outcrop Sil phyll.

- 505 Δ38.

Aug 15/1990 Mapping Reed Lake

1:2500.

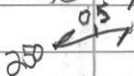
A1 ATP outcrop Sil phyll

- at top of cliff.

- Unit is very well foliated  
with some Qtz pods

≅ parallel to foliation.

- foliation



- some points are poorly fol + very  
siliceous

A2 ATP outcrop Mass Qtzite + Phyll

- Phyll occurs as band  
in the mass Qtzite

- The entire outcrop appears  
to have one foliation



- Phyll band is ≅ 1m thick

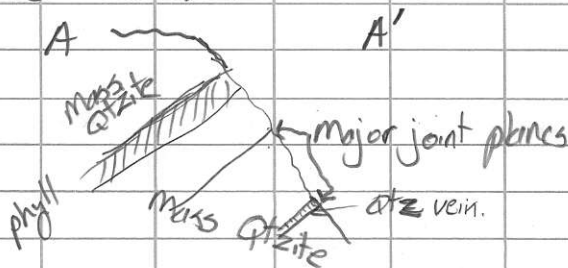
- Qtz is over 20m thick.

- Massive Qtz veins from a  
few mm to 2-3m thick

occur in joint planes in  
qtzite.

- Qtzite jointing  $28^{\circ}$   $75^{\circ}$   $90^{\circ}$   
185 235 195

- Cross section



\* Sample # ORRLT001

- Massive Qtzite = milky  
white Qtz veining.

- Gossanous stain on  
weathered surface.

Δ3 ATP outcrop Mass Qtzite + Phyll<sup>sil.</sup>

- Mass Qtzite is well jointed

$65^{\circ}$   $340^{\circ}$   $48^{\circ}$   
 $205$

- Qtzite has minor banding  
but no fol.



- Sil phyll. good fol.  $\begin{matrix} \nearrow \\ 40 \\ \searrow \\ 170 \end{matrix}$

- slightly gossamous:

\* Sample # ORRL002

- gossamous siliceous phyll.

$\Delta 4$  ATP Outcrop Fol/Mass Qtzite.

- massive Qtzite with  
a slight compositional banding/  
old foliation

$\begin{matrix} \nearrow \\ 24 \\ \searrow \\ 140 \end{matrix}$

- Jointing  $\begin{matrix} 300 \\ \nearrow \\ \bullet \\ \searrow \\ 80 \end{matrix}$

$\Delta 5$  ATP Outcrop fol Qtzite

- well banded Qtzite

- fol

$\begin{matrix} \nearrow \\ 35 \\ \searrow \\ 160 \end{matrix}$

- extremely hard unit

- poor outcrop

Δ6 ATP outcrop Fol Qtzite/sil phyll.

- very hard, well foliated

Qtz rich RX.  $\begin{matrix} \nearrow \\ 50 \end{matrix} \searrow 140$

- slightly gossanous in parts

- may be slightly bleached

\* - Sample # ORRGL003

- gossanous sil phyll/  
fol Qtzite.

Δ7 AP Subcrop/outcrop Fol Qtzite

- well fol.

$\begin{matrix} \nearrow \\ 40 \end{matrix} \searrow 150$

- very hard Qtz rich unit.

- poor outcrop on side of hill


Δ8 ATP Outcrop Qtzite.

- some banding in the  
Qtzite (old foliation)

Aug 16/1990 Prospecting From Red Lake.

A1 ATP Outcrop Phyll.

- Well foliated FG gray phyll. Minor Calcite in fol.

Fol 

A2 SLP : Phyll <sup>outcrop</sup> in creek bed.

ATP : Outcrop Phyll + Qtzite.

- well fol phyll 505 A1

Fol 

- Qtzite layer 20cm thick parallel to fol.

- has py + chalcopy min up to 3% of Rx.

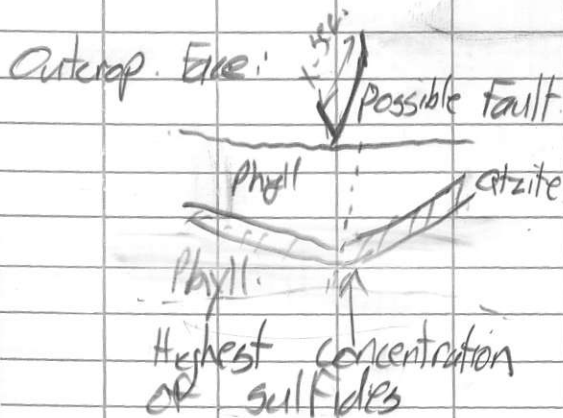
- py stringer 1mm thick in part of outcrop.

- Sample # ~~ORRR~~ 001

- Qtzite  $\approx$  py + chalcopy min 20%

Sample # ORR002

- Phyll, very altered.
- Cassiarous and bleeds white.
- Near Qtzite layer  $\bar{z}$  sulfide min.



Aug 17/90 Prospecting NPS Intrusion

- A3 ATP - Flat/subcrop of sil phyll + Qtzite. (on flag it is 003)
- Sample # ~~ORR~~ T007
  - Slightly coarsened + Bleached Qtzite/Sil phyll
  - No visible Sulfide min

A4 ShP - minor Qtzite + sil phyll outcrop/subcrop  
 - did not hit NPS rx's  
 - no alteration in rx's found.

- ATP: minor NPS rounded. Flat + Qtzite + sil phyll.

A5 ATP: NPS subcrop. unaltered.

A6 ATP outcrop NPS + Qtzite  
 - NPS is med grained.

Fe/sic (Monzonite?)

- NPS in parts has  
minor sulfide min  $< 0.1\%$

- Qtzite is slightly banded.

2 pods of milky Qtz.

- Qtzite is gossanous in parts  
minor malachite staining

Sample # ORRT003

- NPS (monzonite?) slightly  
alt, minor clay min.

- Sulfide min  $< 0.1\%$ .

Sample # ORRT004.

- Qtzite, slightly  
gossanous w/ minor  
malachite staining.

07 ATP Outcrop. Fol Qtzite

Sample # ORRT005:

- Fol Qtzite w/ Qtz  
veining.

D8 ATP Float: Gossanous  
Bleached Rx.

Sample # 0RRRT006

- Bleached + Gossanous  
Vol? Rx. Very Fine Grained.

Aug 18/1990 HM. Scamp.

HM656  $\phi\phi 3$ :

- Mod. fast running stream
- 1m wide av.
- poorly rounded cobbles in stream.
- Few organics.
- light coloured sand
- $\approx 24$  lbs. sample wt.

HM656  $\phi\phi 4$ .

- loc 350m From lake along stream.
- slow moving creek  $\approx$  ~~0.25~~ 0.25m wide.
- very organic sample
- sample taken along 100m length of stream to get enough sediments.
- sample wt  $\approx 19$  lbs.



Aug 19/1990

HM Samp.

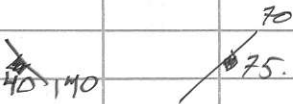
HM 656 CP 5.

- Mod. fast running stream.
- av. width @ 25m.
- stream runs over bedrock
- mod. organics.
- poorly rounded pebbles in creek.
- sample wt  $\approx$  22 lbs.

Aug 20 / 1990. Prospecting Near  
Langhorn V Grid.

A9 ATP: outcrop: Gossanous

- in Road cut
- FG. Bleached Gray/white  
± Biotite or Hblnd. Xstls.
- py + possible calcopy min  
~ 0.1%
- May be alt. Phyll? Volc?
- Sample # ORRR L008.
- FG. Bleached Gossanous.  
Rx. ± minor py and  
calcopy?
- Grab from outcrop in  
roadcut.

- Jointing  40-140 70

- Unit varies from Bleached.  
almost white to less  
alt green Rx. Volc?

Mapping Reed Lake Aug 21/90.

A9 ATP outcrop Qtzite Mass.

- slightly banded / fol. possibly meta lent.
- banding  $210^{\circ} / 60^{\circ}$
- some veins + pods of milky white Qtz.
- jointing  $180^{\circ} / 90^{\circ} \pm 90^{\circ}$   
 $180^{\circ}$

ADATP outcrop Phyll (sil).

- well fol. soft Phyll can be cut with knife
- very minor calcite min.
- fol.  $22^{\circ} / 194^{\circ}$
- some Qtz pods parallel to fol.

All ATP outcrop Phyll + Qtzite

- cliff  $\approx 20m$  high.
- Qtzite is massive

± some milky white Qtz

poles + veins

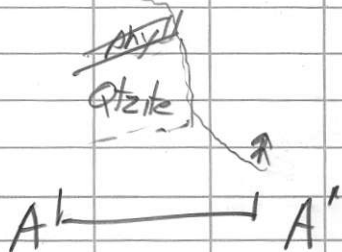
- jointing  $320 \rightarrow 85$   $90 \rightarrow 60$

- Phyll is hard + well

Fol  $22 \rightarrow 1$   
208

- minor calcite in Fractures/fd.

X section



- some Qtz pods/veins in phyll

- Qtz veining in Qtzite parallel to joint planes.

Sample # ORRLT003

- shear zone in Qtzite

- slightly goss.

- very broken up

-  $\approx$  20cm wide

A12 ATP Outcrop, large flat <sup>sil</sup> Phyll.  
 - Well fol. ~~20~~ <sup>30</sup>

- Silicified, med. calcite in  
 fol. planes.

A13 ATP Outcrop Qtzite mass  
 - mass Qtzite well jointed  
 20 ~~50~~ 62  
 85

- minor 1cm thick Qtz veins  
 parallel to joints

- Sil phyll  
 - well fol 20-1 with Qtz  
 180

Pods parallel to fol.  
 - hard, calcite in Fractures.

A14 ATP Subcrop Intrusion:  
 - a Med grained Qtz Feld. Intrusion  
 granite - granodiorite in comp.  
 - Biotite +  $\approx$  0.1% Pyrim.

~~\*Sample # ORR LCOO4~~

- Granodiorite / Granite intrusion
- E py min  $\approx 0.1\%$

D15 ATP outcrop Qtzite fol.

- fol  $\swarrow$  or bending  
 25  $\nearrow$  165

- unit appears circulated in places
- Qtz pods throughout unit.

D16 ATP outcrop Sil Phyll.  
 Sil + Phyl varies from well fol to no fol. av. fol  $\swarrow$   $\nearrow$  25 135

- Silicification also varies from high to low over outcrop
- no obvious pattern.

Aug 24/90 Reed Lake Mapping

A17 ATP: Outcrop - calc phyll  
with minor Qtz pools  
- phyll well fl  $\swarrow$  160  
40

- has calcite min throughout

A18<sup>ATP</sup> Outcrop Qtzite metaclast.  
- Unit has banding/foliation

$\swarrow$  22 162

- Unit also has good joint  
plane

$\swarrow$  85  
90

A19 ATP Outcrop Mass Qtzite.

- has minor crenulations  
& chlorite + mica's in mass

Qtzite  
- joints

75  
180

292  
35

Δ20 ATP: calcareous Qtzite fol + Intrusion

- Qtzite has slight fol

↗ 150

- Qtzite is slightly goss  
in parts.

- has minor chlorite  
mica layers in it.

Intrusion: Massive FG Granitic  
Granodiorite in comp.

- hblnd or Biotite phenocrysts  
- minor py min < 0.1%

Sample # ORR14005

- Intrusion Granite → Granodiorite  
± phenocrysts of hblnd or  
Biotite & py min < 0.1%

Sample # ORR14006

- Qtzite, fol and slightly  
gossamous



## A21 ATP outcrop Qtzite + Intrusion

- Qtzite: Massive Qtzite varies. From homogeneous partly recrystallized mass to a slightly fol Qtzite see A20
- Chlorite/Biotite rich in parts.
- Intrusion: Similar to A20 but bleached.
- In parts Intrusion is almost pure Qtz
- well jointed. ~~90~~ 80

- Qtz % in both <sup>25</sup> 178 units.

- Sample # ORRL007

- Bleached intrusion  $\in$  py min, up to 0.1% of Rx.
- py cubes up to 2mm in size.

Δ22 ATP Claim post  
 No 123599.

Claim Name Rich B

Post No 3E

Locator John Beags

FMC No 233043W

Agent for Minnova Inc.

FMC No 305183

Date Aug 11/88.

Δ23 ATP Outcrop Fol Qtzite +  
 Marble.

- Qtzite is well fol +  
 has minor crenulations  
 in it.

- Fol

5  $\sqrt{165}$

- Marble: Pure white and  
 highly silicified. 340

- Parting

80 015 10

- Qtz veins up to 3cm wide in joint planes.
- No mineralization evident.

Sample # ORRL008

- Marble, - highly silicified
- No visible mineralization
- some Qtz veining.

Δ24 ATP Outcrop Qtzite Fol.

- well fol Qtzite & minor crenulations throughout the unit.
- some layers within the unit have py min up to 1%.

Sample # ORRL009

- foliated Qtzite & py min ~ 1%, py cubes up to 5mm on dia.
- Chlorite + Micas in layers btw Qtzite

## A25 ATP Outcrop Intrusion:

- Very Gossanous Granite-Granodiorite intrusion
- py min  $< 0.1\%$
- Qtz veining  $\pm$  Hornblend xtls.

Sample ORRLO10

- Gossanous Intrusion
- E py min  $< 0.1\%$  and Qtz veins containing hornbl xtls.

## A26 ATP Outcrop Mass Qtzite

- well jointed massive Qtzite (metabent?)
- Jointing

~~90~~  
115

~~90~~  
170

Mappin RL Aug 25/90

A27 ATP outcrop calc phyll +  
Intrusion.

- calc phyll well foliated,  
and calcite min throughout.
- Fol:

60°  
156

- Intrusion bleached + gossanous  
in parts
- granite  $\rightarrow$  granodiorite in comp
- completely silicified in parts.
- minor py  $< 0.1\%$

Sample # ORRL011

- Silicified + bleached Intrusion  
very gossanous on  
weathered surface.
- minor py min  $< 0.1\%$

A28 ATP outcrop Marble +  
Intrusion? or Alt Fol Qtzite  
+ calc phyll

- Marble: very silicified pure  
white no  $\text{O}$  min.

- on top of Intrusion/Qtzite

- Intrusion/Qtzite: Unit has  
structure Fol or Jointing  
that makes it

$\rightarrow$   
no  $\rightarrow$  55

look like Qtzite.

- Unit appears gossanous

- Unit is homogeneous in parts  
and very silicified.

- Some  $\text{O}$  Qtz v. in unit.  
bull Qtz.

Sample # ORR L012

- Intrusion / Alt Fol Qtzite?

- calc phyll (Silicified?)  
on top of marble

A29 ATP Outcrop Marble + Fol Qtz? Int?

- Marble ~~see~~ A28
- Qtzite? Intrusion - better Fol than A28 looks more like Fol Qtzite.



A30 ATP Outcrop Fol Qtzite + Calcphyll.

- Calcphy well Fol.
- Fol Qtzite good Fol  $\swarrow$  38  $\swarrow$  142
- Qtz appears less alt than A28 + A29

Jointing  $\swarrow$  70  $\swarrow$

- some Calcite in Interfolial layers.