

015682

MM Geol

Structure + Colored Geol

105-F-1



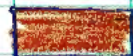
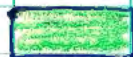
Calc-silicate (CS) schist



Qtzite assoc. w/ marbles



Marbles / dolomites

Bio-chlor schist; bio-chlor
granulite ~~bio-chlor schist~~
musc chlor schistMafic bio. granulite, mafic
granulite ~~schist~~ sch.

Ultramafites (UM)

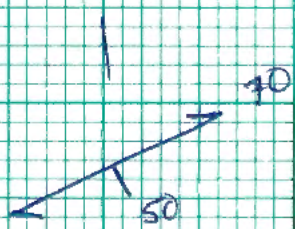
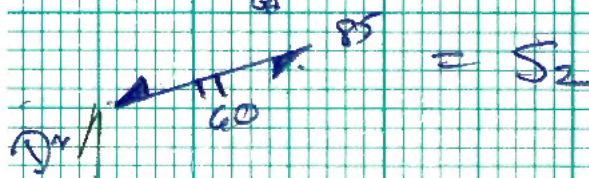
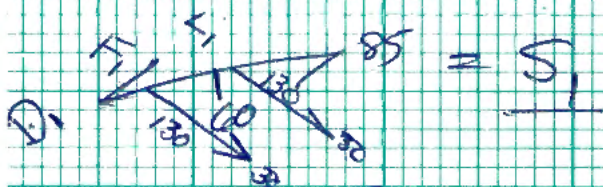


Massive sulfides

Graphtitic phyllites
Schist

Musc-chlor. phyllites

Qtzites, white mica,
envelopes, stratiform
BaSO₄ in bio chlor schist
mafic bio. granulite
Pink-orange weathering
dolomite



Bob James

- 1) Voltage regulator - 17A
- 2) 1500' 5m wireline cable
- 3) 2 - hydraulic belts BBS-1 B-59
- 4) 300' BQ core boxes
- 5) 1 - 12v battery
- 6) 1 turnip
- 7) 2 lettuce
- 8) Drill rod @ Rose lake

Move

- 1) All bits out
- 2) Coil store out
- 3) Complete inventory
- 4) Food out
- 5) BBS-1 out complete
- 6) Tents off frames
- 7) Muthballs

Coincident GMAG/Geochem

1) L 40+00N / 2800 E

400 δ Mag

2150 ppm Zn

1400 ppm Pb

Geochem & mag coincident

2) L 24+00N / 500 E Mag
L 24+00N / 200 E Geochem
L 26+00N / BL Geochem

200 E 400 ppm Pb

6250 ppm Zn

BL 545 ppm Pb

5150 ppm Zn

GMAG Highs

1) L 32+00N / 600 W

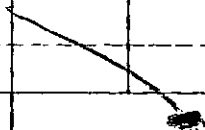
600 δ

2) L 24+00S / 3100 W

600 δ

$$3) \quad L \quad 32+00S / 2500W \\ 500J$$

$$4) \quad L \quad 32+00S / 2000E \\ 800J$$



Shears along which
asb. devel. N45, 275d

Complex package of acidic
metabuffs, chlor schists,
minor calc-silicate "
heavily sheared asb-bearing
ultramafic rocks and minor
graphitic schists, Main foln
S₂ Σ 165 Δ 45 NE, Asb. seams

part of S₂ is
entirely package

in sheared UM (basaltic/gabbroic
comp. F₂ axis trends 155°

plunges 15° SE - F₂ 145, 25 SE

2) Graphitic schist: S₂ ~~145~~²⁰

25° NE F₂ 140°, 0°
substantial calcite & dol.

3) Finely foliated marble: Banding
S₁ 20° 43 SE
S₂ 26°, 55° SE Fold axis 40°, 30° NE

4) Bio schist: S₂ 5°, 36° E

5) " " : S₂ 27°, 17° SE

6) Finely foliated, red-brown gy. marble
S₂ horizontal

7) Schist: S₂ 63° 35 NW

Much po giving gossanoid appear.

8) Graph. phyll. : S₂ \approx horiz

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~~N/O 9) Orange weathering dol?~~
above calc. phyll., above
graph. phyll at #8. S_2
72, 36 SE Unit is meta^m.

~~N/O 10) Unit as above (dol + calc phyll)~~

~~N/O 11) Graph. phyll. S_2 140, 140^o NE~~

~~N/O 12) " " S_2 45 12NW~~
Unit beneath ls @ 3)

~~N/O 13) Schist: S_2 153, 30 NE~~

14) Graphitic schist: S_2 134, 24
NE. F_2 axis trends 135°
plunge 0°

~~N/O 15) Pool of massive "gully"
qtzite in schists. Fol^m
poorly dev. in qtzite~~

~~N/O 16) Graphitic schist: S_2 = horiz.~~

~~N/O 17) White weathering, banded
(c.f. calc-silicates) slightly
calcareous tuffaceous sed?~~
 S_2 42°, 26° NW This unit

hosts numerous, leucoid, moderately sheared (little ast.), magnetite rich (also ϵ lenses up to 6" across) serpentine

N/O 18) Slightly carbonaceous phyllite
c.f. that @ 9. Float sample
only

N/O 19) As above: S_2 $158, 17^{\circ}$ ^{NE} 80°

N/O 20) F.g., med. gray, gray-buff weathering ls. (?) May be slightly meta^m
 S_2 Bobbly $68^{\circ}, 52^{\circ}$ SE 47°

N/O 21) Interbanded graph. phyll. &
acidic metabasals? S_1 $\Sigma 88$
 $\Delta 75^{\circ}$ S S_2 $60^{\circ}, 10^{\circ}$ SE
 F_2 axis trends 80° , plunges 12° E

N/O 22) Interbanded amphib. bands
& lenses up to 10" thick in
calc. silicate gneisses. (part of
schist unit). S_2 very weakly
devel. S_1 is main fabric
element

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S₁ 160, 70 NES₂ 70, 20 NWF₂ axis trend 170 plunge 10°N

23) Gossaned calc-silicate unit w/
bands of pyrite || S₁. Minor
diss. py in CS unit. Some
mass yellowish weathering py
"blobs" in & S₁ plane

24) Calc silicate unit: S₁ 0°
| F₂ axis trend 2°
plunge 25°N

25) Gossaned calc-silicate unit w/
minor ZnS/PbS and moderate diss
py in contact (across S₁) w/
F₂ (50°), stained sericite phyllites
& interbedded pyritic quartzites.
CS unit 25' thick (⊥ S₁); phyll
qtzite unit 40' thick. Entire
65' zone chips sampled (SKB)
Pb/Zn mineralization seems to be
restricted to CS gossan (25')

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where a map of 1% concn. might be expected. Probably trace Pb/Zn only in phyllite/gtze gossam

26) Calc-silicate unit w/ interbedded dacitic flow(?) also rich in po giving rise to limonite staining. No PbS/ZnS seen in dacites \therefore no chip sampling. Rk's fairly massive \therefore no struct ridges.

27) Calc-silicate unit w/ minor diss po. (characteristic of unit)

S₂ 140, 36° NE

S₁ 80, ↓

F₂ axis = L₂ trend 85 plunge = 40E

28) Pyritic gtze/phyllite lens II
S₁ similar to that @ 23 and 25
Pyritic unit shows well dev'd F₂ folds but lens has not been transposed into S₂. S₂ mod well dev'd as opposed to its poor " in C5 unit as a whole
lens shows 5-10% py, no po, no

PbS/ZnS, much $FeSO_4$ staining
(characteristic of these sm.
pyritic deposits.) Mass thick-
ness $\approx 50'$ L S, (Chip sampled)

S₂ 157, 16 NE

$F_2 = L_2$ trend 124° plunge 0°

S₁ too eroded to get accurate
rdg but its conformable w/
S₂ in CS unit

29) As (28) in all respects. Chip
sampled across $\approx 40'$ Hand
specimen taken

30) Calc-silicate unit, possibly of
basaltic tuffaceous? description
judged on basis of interbedded
pelitic material. Pl. sh. green gr.
brownish lenticular pelitic segregations
v. hard, v. poorly foliated
S₁ ≈ 145 $90^\circ E$

in heavily pyritized, $FeSO_4$ stained
zone of S₁ in CS unit. S₂
hardly devel 20' SE pyritized

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CS grades into pyritic glite
as seen in many places. S₂
in glite / phyll. lens \approx
horizontal

31) ^{1/2 BeSO₄} Mass. pyrite 115, in glite lens
in CS unit seen @ 30. Some

N10 Galena in glite possibly ZnS
(too dark to see). Sulfides
definitely 115,

32) Pod of heavily oxidized (unmineralized/
goethite) massive (?) sulfides
20' long 3' true thickness in

N10 py-PbS bearing glites. Whole
sequence may be 10' thick.
Mineralization thought to be in
S₁, which is being transposed
into S₂. Oxidized cap too thick
to get reliable chip sample i.e.
only high grade grab samples
taken. S₁ \approx S₂ = attitude
of presumed sulfide lens 10°,
30-50° NW

33) CS Schist : $S_1 \approx 110, \approx L$
 S_2 hardly developed.
 N/O $F_2 = L_2$ 100, $26^\circ SE$

34) As above : S_1 dominant
 fabric element w/ incipient
 N/O level of S_2/L_2
 S_1 112, $50-70 NW$ (folded)
 $F_2 = L_2$ 102, $16 SE$

35) Chlor schists in CS unit ? :
 N/O $S_1 \approx 95, 50-70 S$
 $F_2 = L_2$ 134, $22 SE$

36) F.g. marble w/ prom silty lam.
 N/O weathered into relief S_1
 104, $74 S$

37) Silicified marble band m. pyritic
 N/O band. Check for W

38) Banded CS : S_1 70 L
 $F_2 = L_2$ 70, $8^\circ NE$

~~37~~ CS : S_2 160, 25 NE
 $F_2 = L_2$ 40, 14 NE
 N/O

~~40~~ CS : S_2 111, 25 NE
 $F_2 = L_2$ 110, 10 SE
 N/O

S_1 to folded to get good attr-
 ade, approx 110, \perp

~~41~~ Marble : S_2 93, 20 N, marble
 lgly transposed into S_2 Trans.
 on CS very variable

~~42~~ Graph schist in contact w/
 white marble $S_2 \approx$ contact
 Σ 90 Δ 30 N
 N/O

~~43~~ Interbedded (due to trans.) graph
 & pelitic matrix schists. Minor
 py (up to 5%) gives gossaned
 appearance. This station appears
 continuation of mineralized zone
 NE of Chalkstone Ridge. $S_2 \approx$ horiz
 $F_2 = L_2 @ 90^\circ, 10^\circ E$
 N/O

44) Musc-gtz phyllites, + gyttes
massively pyritic & FeSO₄ stained
S₁ cumulated w/ F₂ folds

N/A

S₁ 140-155, 80SWF₂=L₂ 140, 14°NWS₂ 142, 19 NE

45) Pyritic gyttes, phyllites and
minor CS bands

N/A

S₁ 55, 1

Banding in massive pyrite
in gytte II S₁

F₂=L₂ 55°, 19°NE

S₂ barely devel. on lg. scale
in these gytte lenses. Most
lenses appear cherty in origin
in this area. Possible exhalite
origin. Sample of 2' thick
massive pyritic gytte II S₁

46) Massive pyrite lens w/ minor
PbS. Lens II S₁. Sample for
assay only

N/A

47) Calc-silicates : S₁ 5° 1±
 F₂ = L₂ 5°, 10°N
 N₁ S₂ 125, 25NE

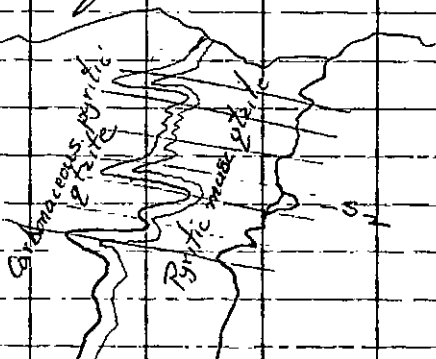
48) Mass. stable form py in graph
 glauco. Spec. only. Black
 clust. ?? material

51) Carb. micaceous py. gylite heavily
 micaceous stained: S_2 not devel.
 as penetrative fol. (a even inef-
 ficient fol.) axial planar to F_2
 folds. F_2 devel as open flexures
 in S_1 of (50). F_2 axis $10, 5^\circ N$
 S_1 very variable in attitude due
 to F_2 folding, ax " 15.5°
 $90-80^\circ SW$

52) Jarosite stained pyritic gylites
 w/ bands up to 2' thick of
 $5-10\%$ py: S_2 $9^\circ, 28^\circ W$
 No F_2 folds visible. Note
 sm. antichinal warp between
 49 & 52. Prominent γ set
 $\Sigma 147 \Delta 37^\circ NE$. Occ in heavily
 jarosite stained area, Newall
 main cirque

53) U. pyritic, micaceous oxid. gylites
 (pyritic white mica envelope):
 F_2 $10^\circ, 12^\circ N$ S_2 $115^\circ 20^\circ NE$
 50-100' W of this station, pyritic
 white mica envelope seems to
 interdigitate w/ more carbonaceous
 less pyritic gylite (brotite?)

along F_2 fold hinges i.e.



51
 S_1 attitude at contact is 175° ,
 $70-80^\circ E$. Positive Zn test
 (cold soln) on white drusy
 coatings (hydrozincite - no
 effervescence w/ HCl)

- 54) Sheared & foliated UTM mass
 w/ chrysotile fibers devel. as
 microfractures between S_2 surfaces
 S_2 $140, 15 NE$ - lg. amt. of
 magnetite. Strong give AMAG
 response. Several heavily oxidized
 py pods in UTM also ($10' \times 3'$)

55) Silicified calcitic marble w/sum-
burats of tremolite, $S_2 \approx 120^\circ-140^\circ$
5-15° NE & undulatory

56) Calc-silicate schist / phyllite showing
several fold generations:

F_2 trend 85° plunge 15° E

L_2 not developed 85°, 15° E

F_3 trend 50° plunge 30° NE

L_3 " 50° " 30° NE

No, same
generation
 F_2 axes
convergence

Note that $F_2 =$ folds in S_1

$F_3 =$ folds in S_2

$S_2 = 145^\circ, 33^\circ$ NE

$S_1 \approx 90^\circ, 60^\circ$ SE

Outcrop difficult to S_1

interpret (Convergent F_2 axes)

57) Calc silicate schist: S_2 140, 36° NE

$L_2 = F_2$ 0°, 28° N

58) Silicified marble S_1 (?) 145, 45° NE

Possible fault between 50 & 58

59) Calc silicate schist: two
fold generations - uncertain age
relations

Set F_2 axes 109, 23° E

Set F_2 axes 147, 20° SE

Con. line. 110 both axes

Foln axial planar to Set 1
 $S_2 \Sigma 147, 23 NE$

Foln axial planar to Set 2
 $S_2 \Sigma 153, 20 NE$
 looks like same foln

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10 Aug 74

✓ / Mafic Biotite Granulite (MBG)

$S_2 135^\circ, 32^\circ SW$, This is
 same unit that houses main
 showing. Rk not phyllite
 schist or gneiss o.o. granulite
 used in textural sense only
 as r.k. name

(1) Muscovite magnetite & py/mag pods
 in serpentinite mass @ base of
 S/D marbles. No rep. possible

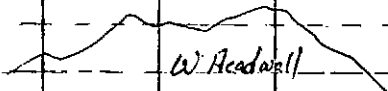
Samples only

(2) Lenticularly banded, vitreous, magly
orthopyroxenes in conformable contact
w/ underlying mag-chlor schists
@ top of serpentinite pod.

$S_2 147, 29^\circ SW$ Folds in

Note margins of serpentinite sheared to form talc (?) / chlor / mag. schists on
 at least the upper margin of mass during D₁ folding (cp)

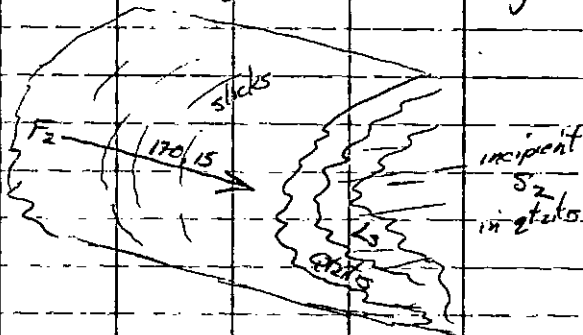
S₁ trend 123° plunge 5° NW
 These folds appear to be post-
 D₁ w/ no axial planar foliation
 in hinges, S₁ redefined as S₂
 in limbs. S₁ then orig || to
 S₂ curve wall & redefined by S₂
 e.g.



(63) Silicious bio granulite (same
 strat position as MBG) w/
 interbanded graphite

2 S₂ 155°, 37.5W F₂ = 155°
 0° Second cumulation lineation
 95° 25° W. 75' up slope
 encounters large F₂ hinge
 (fold in S/D marble!!)
 w/ axis trend 170° plunge
 15° N. This is main F₂
 hinge in overlying marbles
 S₁ 170°, ⊥. Note slicken-

slides down on pul of fold
 S_1 to F_2 fold axis during



D_1 folding showing flex slip
 (butter) behavior during D_1 .
 Note also devel. of talc-chlor-
 mag. schists on top of seep-
 entite @ same time.

(4) Massive, fractured, carbonaceous
 marble (f.g. med-dk gy fresh,
 lt. grey weathered); no banding
 etc. visible on exp. scale.

Sample only

(5) As above: $S_1 = S_2$ 140, 20 SW

(6) Quartz beneath S/D marbles
 $S_1 = S_2$ 163, 34 NE

- ✓ (67) Carbonaceous gylite @ base
of S/D marble folded into
 F_2 hinges F_2 axis trends
 155° plunges 44° SE (graphitic
etc nodding)
- ✓ (68) Graphitic schist unit (??-rk.
type unknown for sure due to
inaccessibility) } S_1 136, 75 NE
Dep. in hinge of lg. F_2 fold
- ✓ (69) S/D schist marble: S_1 173,
 55° W
- ✓ (70) As above: S_1 122, 62° W
- ✓ (71) Calc. silicate schist: S_2 150, 15° NE
 F_2 axis trends 160° plunges 15° SE
 S_1 heavily folded
- ✓ (72) As above: S_1 40, 43° SE
 $F_3 = F_2$ axis 75, 20° E. S_1 heavily
 F_3 folded, S_1 varies $40-110^\circ$ and
 43° SE to L
- ✓ (73) As above: S_2 175, 20° E
 F_2 axes range 50, 86, 86, 110, 115°
 $5-20^\circ$
Possibly axes curvilinear

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- 74) Very finely shon, fol^d, greenish gray fresh, greenish buff weathering, calcareous gyltis:
 S_1 , 175° 70° W (F_2 folded)
 This are. S_1 , attitude then ocp.
 S_2 not developed. F_2 axes trend 15° plunge 0° (\pm)
- 75) Calc-silicate schist: S_1 heavily folded about F_2 axes. S_2 hardly developed
 $L_2 = F_2$ 165° , 20° SE good ref.
- 76) Silicified (S/D) marble in hinge of megascopic F_2 fold ~~S_1~~
 ~~60° 50° SE~~ in contact w/
 calc-silicate schist. Marble @ this ocp appear to lie w/in base of CS unit. Contact Σ 155° Δ 52 NE This = S_1
 ~~20° 50° SE~~ station
- 77) Gyltis w/in silicified marble sequence. F_2 axes seem to be curvilinear. Trend measured to vary continuously between 25° - 75° , plunge $\approx 33^\circ$ along axis

S_2 only incipiently developed w/
see microdirections of F_2 fold axial
 S_1 between S_2 surfaces

$S_2 \approx 10^\circ, 22^\circ E$ Measurement
 taken on F_2 limb & scale
 parting thru ocp.

(78) CS schist: strong S_2 devel.
 prob. on hinge of lg. F_2
 fold S_2 $11, 30^\circ E, 42.61,$
 $30 NB$

^{25 NB} (79) Thinly banded graphitic gneiss
~~below~~ marbles in lg. F_2
 L hinge F_2 axis $30^\circ, 25 NE$
 Folds

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12. Aug., 74

(80) *Musc. gytis* (pyritic) cf. white mica envelope around Anvil Range deposits: S_1 folded about many F_2 hinges

S_1 (ax.) $12^\circ, 55^\circ W$

S_2 $160^\circ, 22^\circ NE$

F_2 $147^\circ, 0$

L_2 $147^\circ, 0$

(81) Biotite chlorite schist / granulite:

S_2 $120^\circ, 10^\circ NE$

F_2 $160^\circ, 10^\circ NW$

S_1 $\approx 160^\circ, 75^\circ SW$

S_1 folded about F_2 hinges, S_2 axial planar, S_2 penetrative on scale of outcrop

(82) Finely illine, streaky banded, well foliated quartz-feldspathic leucite (unknown origin) in approx. position of serpentinite mass:

S_1 $16^\circ, 60^\circ E$

L_2 $10^\circ, 12^\circ W$

S_1 || to contact w/ graphitic schist L_2 || F_2 wraps in

S_1

83) Carbonaceous gytite @ base of
S/D marbles:

S, 172° , 65° E

84) S/D calcitic carb marbles:

S, 0° , 78° E

85) Calcitic marbles w/ interbedded
cherts: S, 18° , L , F_2
 15° , 13° N

86) As above, core of F_2 syncline
plunging N. No reading
possible in core as calc mabbly
& heavily weathered. Opposing
S, dips N & S of station

87) Carbonaceous, med. gray marble
S, 40 , 68 NW

88) Calcitic lt. gray weathering, lt. gray
marble showing FANTASTIC
curvilinear F_2 axes.

S, 5° \approx L

F_2 \approx 150 , 0°

This ocp. shows definitely
that F_2 axes on mesoscopic
folds are curvilinear, doubly
plunging as ocp. pattern would

suggest for megascopic F_2 folds

89) Med-finely thin lt. gray marbles.
Ocp. shows only minor F_2 folding
 S_1 $38^\circ, 80NW$
 F_2 $10^\circ, 20N$

90) Carbonaceous gtytes at base of
S/D marbles
 S_2 $30, 60SE$

Appears to be S_2 devel
in gtytes (WHY??) in
hinge of megascopic F_2
syncline.

S_1 $8^\circ, 83^\circ W$

91) Marbles w/ minor interbedded
gtyte: S_1 $7^\circ, 73^\circ W$

773

92) As above: S_1 $165^\circ, 85^\circ SW$
 F_2 $149, 15^\circ NW$ Note F_2

axes curvilinear ^{intubated}

93) Gtyte/marble contact. S_2
devel. in gtytes, not in marbles
 S_1 $\approx 165, 70 SW$
 F_2 $165 20 NW$

94) As above: S_1 , 20° , 25 NW
 F_2 157° , 10 NW

95) Marbles: S_1 , 0 , 25 NW
 F_2 150° 17 NW

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96) Interbedded carbonaceous gyltes
 and marbles. F_2 fold sym-
 metry \Rightarrow antiform hinge
 to N. S_1 poorly devel.
 S_1 too heavily folded to get
 ave. orientation.

$F_2 = L_2$ $50-90$, 10° E

Note again F_2 axes seem to
 be curvilinear.

97) Marbles: S_1 , 0° , ≈ 1 on
 local scale F_2 0° , $\approx 0^\circ$ $\frac{1}{2}$
 curvilinear

98) Carb. gyltes S_1 , 0° , ≈ 1
 F_2 0° , 10° N Subvertical
 S_1 attitude in 97 & 98 \Rightarrow
 hinge zone of by F_2 fold?

19A) Marbles: Comp banding = $S_2 \approx$
 S_2 as ocp near F_2 fold hinge
 S_1 53, 20 NW
 F_2 11°, 20 W

16A) Graphitic schists & minor pyritic
 gneisses
 S_2 160, 20 NE
 F_2 25, $\approx 0^\circ$

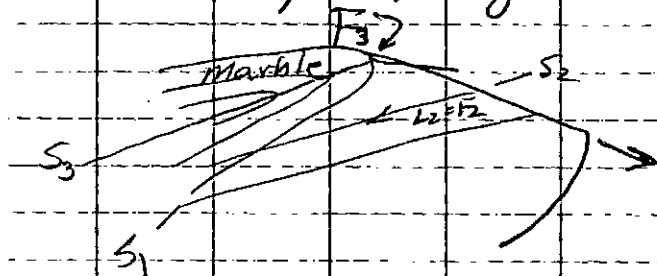
Note F_2 axes doubly plunging
 & curvilinear.

101) Graph. schist S_2 60° 15 NW
 also interbanded Bio-chlor gran.
 F_2 78-100, 7° E

1253
 102) Interbanded graph. schists,
 bio-chlor granulites & thin
 gneisses. Scale of interbanding
 too sm. to map. Entire
 unit pervasively D_2 refolded
 w/ prom. devel. of S_2 . Units
 more graphitic than BCG
 in main cngue, yet graphitic
 sequence occupies same strat
 position. S_2 172, 23° E
 F_2 125, 5° E S_1 125, 65 SW
 over 1' in ocp.

- ✓ 103) Bio-chlor granulite: (minor
 interbedded py-musc-gly schist)
 F_2 125° $5^\circ E$
- ✓ 104) As above F_2 95° $2-0^\circ E$
- ✓ 105) Zone of gossan & QFB
 development. No primary
 sulphides noted. All exp.
 in vicinity checked. Consider-
 able botryoidal carbonate minerals
 as rug fill & drusy coatings.
 Mineral non calcareous, negative
 Zn test \Rightarrow arsenite/dolomite.
 Gossan suspected to be devel. on
 pyritic gylite band
- ✓ 106) CS schist: S_1 ≈ 90 , $70^\circ S$
 L_2 F_2 110° , $20^\circ E$
- ✓ 107) CS in contact w/ gylite on top
 of marble: S_1 104 , 735°
 $F_2 = L_2$ 104 , $28^\circ E$
 Note gylite appears to pinch
 out around fold hinge

- ✓ (108) Marble : S, 130, 80 NE
 May be on F₂ limbs ↗
- ✓ (109) " : S, 135, 85 NE
- ✓ (110) " : S, 175, 20° W
- ✓ (111) " : S, 0, 50° W
 F₂ 0, 17° N
- ✓ (112) Marble : S, 30°, 55° SE
- ✓ (113) " / CS contact : S, 55° 40° NW
 F₂ 70° 20° E Note :
 F₂ not axis of antiform
 as antiform plunges W



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(114) Bio-chlor granulite: S, 140° ,
 $60-65^{\circ}$ SW F_2 140° , 20° NW
 Up to 10-15% py in some
 part of this unit

(115) Very pyritic zone w/ bio-gar-
 chlor (??-act??) granulite.
 Some 1' long pods w/ 7
 50% py + some po. Occasion-
 al flecks of ZnS/PbS but
 nothing substantial

$S_1 \approx 145^{\circ}$, $\approx 80^{\circ}$ NE

$F_2 \approx 145^{\circ}$, $\approx 32^{\circ}$ NW

Some nearly massive sulfide
 boulders \approx exp. below 45 in
 talus. Sampled as 115

(116) Bio-chlor(?) - gar granulite:

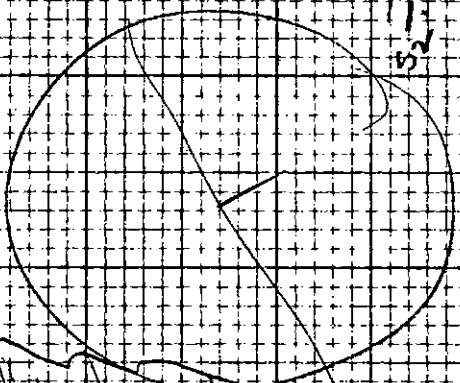
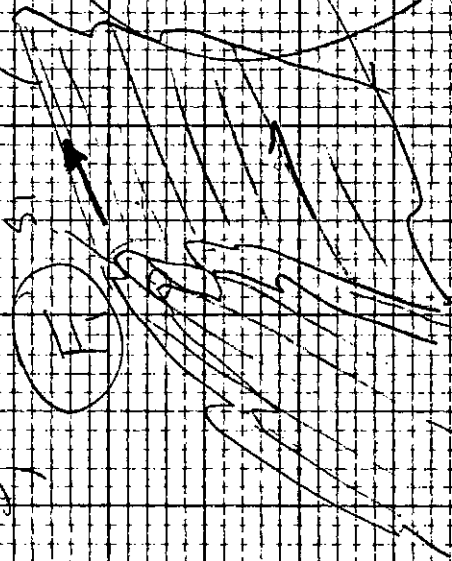
S_1 150° $40-50^{\circ}$ E

$F_2 = L_2$ $140-150^{\circ}$, 9° NW

S_2 not devel. at all, F_2
 axes curvilinear

(117) Bio-chlor? - gar granulite in contact
 w/ white mica envelope roughly
 enclosing sulfide bearing lens.

D



$F_1 = F_2$

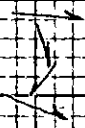
S1
S2

this dis. to near massive
 mineralization may be sub-
 economic. In general,
 mineralized unit or zone
 at least 50' feet thick w/
 at least 1 massive band of
 sulphides ($py > po > ZnS > cp >$
 PbS) 8-10 feet in thickness
 Difficult to estimate ave.
 dip of S_1 @ this station
 as considerable D_2 trans-
 position into plane of incipient
 by level. S_2 in F_2 hinges
 SKB confused on actual
 geometry of deposit. He
 figured MSS one band U
 $S_1 \approx S_2$ in F_2 hinges giving
 appearance of shallowly
 westerly dipping sulphide mass.
 This not case (see diagram
 previous page). S_2 subhorizontal
 w/ $\approx 5^\circ$ NW dip (can't get
 rdgs on cliff face. $F_2 = L_2$
 $15^\circ, 5^\circ N$ $F_2 = L_2$ $0^\circ, 22^\circ N$
 F_2 axes curvilinear

S₁ 95 1
25 27 E
108 55 SW



F₂ 95 10 E
172 25 S
25 5 SW
105 5 NW



S_2 incipiently devel. as axial
planar to F_2 folds.

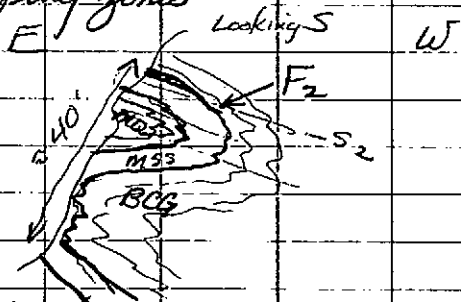
S_2 = horizontal

S_1 = 126°, 40-50 NE

$F_2 = L_2$ 126° S NW

118) Bio chlor granulites: S_1 , 157, 65
SW, $L_2 = F_2$ 157, 15 NW

119) Massive sulfides interbanded
w/ py-musc-gty schists & bio-
chlor(?) granulites. Massive
sulfides infolded into other
rk types by microscopic F_2
folding to give impressions
of several shallowly westerly
dipping zones



Note diss. py + ZnS in BCG
infolded into MSS. Some of

Note 50' total mineralized zone includes diss. in BCG & white mica envelope. Actual thickness unknown due to diss. sulfides poor access, Fe-staining

(120) Banded py - PbS - BaSO₄?^{??} zone on tail of deposit. No rdgs. Deposit tails out to 1' thick gossanous zone w/ PbS xls seen in 1973

MM

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(121) CS schist: S₁ 95° = L

L₂ = F₂ 95° 10° E

(122) CS schist: L₂ = F₂ 172 255

Crenulation lineation in S₁

& L to L₂ may be related

to megascopic fold. Note S₁

too crenulated to get acc

attitude

(123) Lensy banded carb. & non carb. gylites between graphitic phyllites

and marbles, Comp. banding
 $\approx S_1, 25^\circ, 27^\circ SE$

(124) CS schist $F_2 = L_2, 25^\circ, 5^\circ SW$

55

(125) Lensy banded carb. marbles & non-carb. gneisses $S_1, 108, 55 SW$
 Folds of unknown generation
 fold S_1 and a crenulation
 lineation in S_1 . Fold axes
 trend 10° plunge $52^\circ S$ &
 are not circular. Lineation
 in $S_1, L_2, 105, 5^\circ NW$

(126) S/D marble: $S_1, 37, 46 SE$

(127) As above: S_1 horizontal
 on limb of F_2 fold. See
 map

(128) As above: hinge of F_2
 fold, axis trends 25° ,
 plunges $\approx 25^\circ SW$

(129) As above: $S_1, 40, 50 SE$

(130) " " : $S_1, 100, 30 S$
 Possibly on F_2 limb, F_2
 axis $105, 5^\circ W$

7542

✓ (131) Graph schist in marbles $\approx S_1$
 $78^\circ, 42^\circ SE$

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✓ (132) CS schist $\circ S_2 \approx S_1$ on
 F_2 limb $23^\circ, 46^\circ E$
 $F_2 = L_2$ 175, 38^{RS}
 37, 20^S
 10, 4
 5, 4

Note F_2 axes curvilinear
 as shown by above wrdgs. on
 F_2 fold

✓ (133) CS schist $\circ F_2 = L_2$ 68, 30^E
 S_2 35, 56 SE
 Note contact w/ granite
 in saddle unroofed to N

✓ (134) CS schist $\circ F_2 = L_2$ 65, 5E
 S_2 135, 22 NE

✓ (135) S_2 axial planar F_2
 See 1973

✓136) CS schist : S_2 125
 35, NE axial planar
 to megascopic M.M. anti-
 form / synform $L_2 = F_2$
 69, 28° E

✓137) CS schist : S_1 95, 60S
 $F_2 = L_2$ 95, 0°

✓138) Thin gylite band @ top of
 marble unit S_1 150, 24 SW

✓139) CS schist above CO_3 / gylite
 sequence. Cap lies on
 lower limb of F_2 fold
 (see map), S_2 not devel.
 only ~~close~~ close \rightarrow tight F_2
 folds w/ minor incipient
 S_2 devel.

S_2 37, 23° SE

$L_2 = F_2$ 45°, 15° SW

Note S_2 axial planar to
 megascopic fold & plunge
 direction of megascopic F_2 s
 fits geol. interpret. of mega-

7?

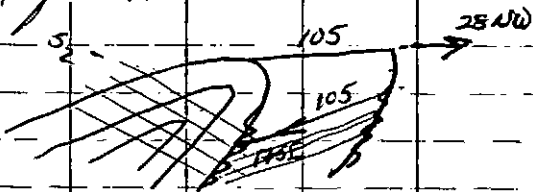
140) CS schist: F_2 plunges
 115, 35 SE $F_2 = L_2$ S, 82, 56 S

141) CS schist: S, 105° 80 S
 F_1 axis trends 105, 28° NW
 Note several F_1 folds w/
 S_1 axial planar. S_1 crenulat-
 ed by F_2 folds.

F_2 105, 17° SE

S_2 95, 25° W

Relations here \Rightarrow megascopic
 structure = F_1 w/ F_2 wraps
 on flanks



142) CS schist: S, 90, 80° S
 $L_2 = F_2$ 90, 40° E S_2 105,
 35 SW

143) CS schist: S, 77, 70 S
 $L_2 = F_2$ 80, 25° E
 S_2 130, 22 SW (good
 rdgs)

144) CS schist: S_1 , too crenulated to define ave attitude
 N/O $L_2 = F_2$ 85, 22° E
 S_2 115, 35 SW Off map

145) CS schist: S_1 , too crenulated to define ave attitude
 $L_2 = F_2$ 85, 5° E
 S_2 105, 35 SW

Bio-musc calc. phyllite

146) ~~CS schist~~: S_1 , 120 35 SW
 N/O $L_2 = F_2$ 120°, 22° E Off map
 S_2 380, 15° SE

147) Calcarenous bio-musc phyllite:
 S_1 , 155, \approx L

N/O $L_2 = F_2$ 155, 11, SE Off map
 S_2 750, 37° S

148) Calcarenous bio-musc phyllite:
 S_1 , 112, L Off map

N/O $L_2 = F_2$ 112, 16° SE
 S_2 not devel. Axial plane of F_2 folds 30°, 20° SE

112

149) Pyritic chlor schist unit as in
CS schist $\approx S_1$, 112 \perp

$L_2 = F_2$ 112, 10° E

40
150) Graphitic calc. gylite @ top
of marble sequence

S_1 , 102, 40 SW

L_2 (?) 132, 15° E

151) Marble $\approx S_1$, 0, 55° E

152) Graph. calc. gylite @ top of
marble sequence. Remnant
?? preserved in overturned (F_1 ?)
syncline (overturned to N)

Outcrop in trough of fold

S_1 , 25° 60 NW

153) As above; S_1 too heavily
folded & transposed onto S_2
plane to get av. attitude

May be
 $S_1 \rightarrow S_2$ 55°, 25 SE

$L_2 = F_2$ 98° 19° E

154) Highly contorted, completely
replaced chlor-musc phylite
 S_2 undulatory, S_1 only
as microfolds $S_2 \approx 174, 55 E$

May be S_1

- 155) Chlor-musc phyllite in strat
position of serpentinite
S₁ 75, 70 SE (Definite)
L₂ = F₂ 75, 80 E
S₂ 65, 25° NW OK
L₂ = F₂ 87, 5° E best
S₁ 87, 70 S

Note: serpentinite may
be punched out by this pt.
making this unit ≡ upper
mineralized zone

- 156) Graph. phyll. : froothaved
blocks, no rds possible

- 157) As above: S₁ 75, 70 S
L₂ = F₂ 75, 5-10 E

17MM

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- 158) Amphib. : massive, no rds
possible. Fucking rare

✓ 159) Qtz musc schist: S_2 115, 22NE
 S_1 90, 55 S $L_2 = F_2$ 90,
 25° E

✓ 160) Graphitic phyllite: S_1 130, 75° SW
 $L_2 = F_2$ 130, 10° NW S_2
 only insignificantly level, no rdg.
 very undulatory

✓ 161) Qtz musc schist on crest of
 megascopic fold (?) S_1
 168, 15° W $S_1 = \text{meta}^m \text{ foln}$
 S_2 90, 45° N L_2 96, 18° W

Note: S_2 not axial
 planar to megascopic MM
 antiforms

✓ 162) Calc. musc schist: S_1 62°
 57° NW on hinge of MM
 antiform

✓ 163) Intertwined marbles (one 20'
 band) of calc. bio-musc phyllites
 w/ marble interbands
 S_2 0, 70° E S_1 nearly
 completely transposed & re-tilted

in this ductile sequence

(144) Graphitic phyllite: heavily
crenulated so ave. S_1 impossible
to measure. S_2 160, 37 NE

$L_2 = F_2$ 127, 30 SE

(145) Bio chlor granulite: S_1 102, 70 N
 $L_1 = F_1$ 102, 24 E S_2 152,
26° NE all excellent edges

(146) Musc. chlor. plagi schist
completely reworked during
 D_2 in only microletions of
 S_1 remain between S_2 surfaces
making ave. S_1 measurement
impossible. S_2 145, 38 NE

L_2 97, 35 E

(147) Mafic band in above unit:

S_2 125, 45 NE Unit

reworked totally; no relict
 S_1

(148) Graph. phyll on flank of MM
anticline: S_1 107, 30 S
 $L_2 = F_2$ 107, 4° E S_2 160, 25 NE

- 169) Graphitic phyllite in contact w/
gty-musc/chlo schist:
- | | | |
|-------------|-------------|-------------|
| S_1 | 52, 64° SE | } excellent |
| $L_2 = F_2$ | 52, 35° NE | |
| S_2 | 110, 42° NE | |
- 170) Qtzites @ base of marble unit
- | | |
|-------|----------|
| S_1 | 86, 75 S |
|-------|----------|

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- 171) Musc-chlor-plag-gty schist.
 S_1 too heavily crumpled to
get acc. S_1 attitude
- | | |
|-------------|-----------|
| $L_2 = F_2$ | 65, 10° E |
| S_2 | 82, 25 N |
- 172) Mafic bio. gneiss w/ some musc-
chlor-schist interbeds. S_2
not devel. S_1 71, 67° S
- | | |
|-------------|-----------|
| $L_2 = F_2$ | 71, 30° E |
|-------------|-----------|
- 173) Musc chlor plag gty schist in contact
w/ gty-musc schist (c.f. white
mica envelope) to W:
- | | |
|-------------|-------------|
| S_1 | 143, 47 SW |
| S_2 | 122, 37 NE |
| $L_2 = F_2$ | 163, 12° NW |

✓ 174) As above : S_1 107, 47 SW
 $L_2 = F_2$ 167, 6 NW
 S_2 147, 27 NE

✓ 175) Graphitic bio mafic granulite
 S_1 10, 75 W
 $L_2 = F_2$ 100, 15 N

✓ 176) Graphitic schist in bio-musc
 schists : S_1 72, 70 S
 $L_2 = F_2$ 72, 14° E

21000 ✓ 177) Pyritic gneiss & gtz-musc py
 schists
 S_1 47° 75° SE

$L_2 = F_2$ 47 25° NE

S_2 170, 28° E

✓ 178) As above : S_1 81, L

$L_2 = F_2$ 81, 5° E

✓ 179) " " : S_1 170, 65 W

$L_2 = F_2$ 170, 2° S

✓ 180) Graph. phyll : S_1 165, 60 NE
 $L_2 = F_2$ 165, 10° NW

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MVA

- ✓ 151) Musc-chlor-gtz schists : S_1
 151°, 70° NE $L_2 = F_2$ 151, 10°
 NW S_2 145, 30 NE
- ✓ 152) Graphitic phyllites : S_1 142,
 34° NE, $L_2 = F_2$ 144, 0°
- 62 07 (153) Pyritic graph. phylls & musc.
 schists: Difficult to resolve
 distinct units as everything
 variably graphitic. S_1 162,
 67° NE $L_2 = F_2$ 162, 0
 S_2 30° S NW
- ✓ 154) Graph. phyllites S_1 162, 50 NE
 $L_2 = F_2$ 162, 0
- ✓ 155) Graph. phyll. : $L_2 = F_2$ 97,
 18° E S_2 122, 24 NE
- ✓ 156) Musc-chlor-gar-gtz-plag schists
 ≡ to stuff @ (50) : S_1
 114°, 55° SW $L_2 = F_2$ 114, 10 SE
 S_2 128, 38 NE

- ✓ 187) Qtzite : S_1 , 175, 45° E
- ✓ 188) Pyritic gtyls : S_2 150, 52° NE
 unit completely transposed into
 ? S_2 ?? May be S_1 , W0, def.
 S_2 : S_1 , 150 ± L
- ✓ 189) Gossaned py gtyls S_1 , 160, 80° W
- ✓ 190) Chlor-musc. schists & Mafic
 bio granulites : S_1 , 115°, 75° SW

MM

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- ✓ 191) U. chlor-musc phyllites : S_1 , too
 heavily crenulated to measure
 ave. S_1 attitude. S_2 poorly
 developed $L_2 = F_2$ 135, 10° NW
 S_2 144, 44° NE
- ✓ 192) As above : Comp. banding = S_1 =
 S_2 on fold limb (microscopically)
 $S_1 = S_2$ 40°, 40° SE
- ✓ 193) Lt. br. weathering calc. musc-chlor
 phyll. : Comp. bdg. = S_1 (?) = S_2 (?)
 100°, 30° SW

194) Thickly banded mag. bearing
metabasite cf. that @ top
of ridge. May be sheared
L.M. mass. Comp. banding
 $\approx S_1 \approx S_2$. Prob. S_1 , $95^\circ 20S$
Rdg may be NFG because of
magnetite, OK by eyeball shot

195) Graphitic phyllites: $L_2 = F_2$ 100,
 $25^\circ E S_2$ 142, $35^\circ NE$

196) Ribbon banded calc. gyles, heavily
deformed: comp. banding
103, $77^\circ S$. Uncertain whether
this S_1 or S_2 . This foliation
folded about 2 sets of fold
axes: ① vertical in plane of
fol. ② 103, $\approx 30W$

Note:

MM 74-1	5700'
Circuit floor	5350
(a) showing	<hr/>
△	<u>350 feet</u>

MM

Weds 28 Aug

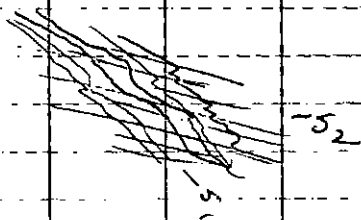
197) Calc. musc. phyll.:

S₁, 165, \perp L₂ = F₂ 165, 10° NWS₂ only imperfectly devel. @
170°, 22° E. Note F₂

axes curvilinear

198) Chlor-musc. phyll. S₁, too
complexly folded to getmeaningful average attitude.
S₂ only imperfectly developed.F₂ 125, 27° SEThis axis folds an earlier
crenulation (lineations??)S₂ ≈ horizontal199) Bio-chlor-musc. phyll. w/
many folded gyl/CO₃ pods:S₁, 147° 70° E \perp L₂ = F₂ 147° 30° SE200) Bio chlor phyll w/ gyl/CO₃ bands
& pods c.f. that of Vargosa areaS₁ 162, 53° NE201) Musc. chlor phyll.: S₂ well
devel. @ 155, 53° NE. Notethis ≈ S₁ @ 200. This due

to closely similar attitudes
of both foliations i.e.



- ~~N/O 202) Musc chlor schists cf. that
 @ 190 : S_1 10° \perp
 $L_2 = F_2$ 10° , $10^\circ N$~~
- ~~N/O 203) Graph: gty schists : S_1 0°
 \perp $L_2 = F_2$ 0° , $15^\circ N$~~
- ~~204) Graph: gty schists : S_1 85°
 \perp S_2 106 , $30 NE$~~
- ~~205) Musc-chlor-gty-plag schist as
 @ 166 : S_1 82° \perp~~
- 206) Qtz-feldspathic orthogneiss
 orthogneiss & main fol. (S_1 ?)
 92° , $55^\circ N$

M.M.

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✓207) Buff weathering, red gray fresh blocky, finely flined dolomitic marble. Rubbly ocp only no readings possible

✓208) Dk. greenish black foliated mafic granitoid @ L245 10+800 W. Rubbly ocp. only no reliable rdg. Sample only. Ocp lies in strat position of CS schist. No ferromagnetic minerals seen

209) CS schist (?) slightly hornfelsed & complexly folded. No ferromagnetic minerals seen to explain mag. anom. S, $\approx 125^\circ$, $39^\circ 5W$

0-6 O/B
 6-309 Slightly calcareous carbonaceous g¹tyte
 S₁ folⁿ 25° @ 17'
 30° @ 72'
 Fold hinges 15° @ 117'
 234' 25° @ 147'
 257' 25° @ 187'
 65° @ 217'
 30° @ 256'
 25° @ 279'
 309-309.5 Pyritic, black graphitic ~~marble~~ band S₁ foliation 25° @ 309.5
 309.5-324 Slightly calcareous graphitic g¹tyte w/ occasional marble bands 1/2" to 6" thick
 324-334 Well foliated (S₂) calc-silicate schist w/ marble bands up to 1". S₂ @ 329' = 30°. Dis po stringer @ 328.5'



Dipmeter 25001
1000' 25001

- 334-339 Graph. calc-silicate schist
 minor diss po $2\frac{1}{2}\%$
~~2-3%~~; $S_1 \approx S_2$ @ 20° @ 335'
- 339-343 Calc-silicate schist; ~~no~~
 diss po throughout up to \approx
 $2-3\%$ po. 4" sample
 taken @ 342'
- 343-349 Silicated marble with
 minor po & po+py stringers
 and blebs w/ up to 5%
 total sulphides over one
 6" interval (344.5-345)
- 349-407 Calc-silicate schist w/ minor
 marble bands up to 1":
 $1-3\%$ diss. po throughout
 $S_1 \approx S_2$ 20° @ 387'
- 407-408.5 Graphitic calc-silicate schist
 w/ no diss po
- 408.5-410 Calc-silicate schist w/ $1-3\%$
 diss po throughout
- 410-417.5 Calc-silicate schist w/ no
 diss po
 $S_1 \approx S_2 = 20^\circ$ @ 417.
- 417.5-419 Marble bands in CS schist
 w/ 1 4" thick band of $25-30$
 $\%$ po @ 418' & 1 3" thick

band 20-30% diss po @ 418.5
 No ZnS/PbS noted

419-423 Calc-silicate schist w/ < 1%
 diss po; no PbS/ZnS

423-453 Non-calcareous, chlor-graph
 schist w/ silicious bands
 and no diss po or other
 sulfides. One 3" band
 of normal CS schist w/
 1-3% diss po @ 447'

$S_1 \approx S_2 = 15^\circ @ 447'$

453-459 Calc-silicate schist w/ <
 1% diss / blebby po

459-470 Non-calc., chlor-graph schist
 w/ no diss po or other sulfides

470-484 Calc-silicate schist w/ <
 1% diss po

$S_2 \approx S_1 = 25^\circ @ 475'$

484-494 Non-calc., chlor-graph schist
 w/ no diss po

494-508.5 Calc-silicate schist w/ @ 1%
 -3% diss po

$S_2 \approx S_1 = 0^\circ @ 517'$

$\approx 40^\circ @ po 566-567'$

$S_2 \approx S_1 = 30^\circ @ 569'$

509.5-597 Felicit, family thin chlor.
sheet w/ 1-5% total
sulphides (py + ps) as disc
blobs. Few 1 foot sections
up to 10% total sulphides

EOH - 597

- 0-2 Dol. marble; rubble
 ≈ 20% recovery
- 2-4 Med. gray dol. marble
 as above ≈ 80% recovery
- 4-22 As above, no structural
 features
- 22-57 Mottled med & lt. gray
 dolomite
- 57-80 Lt. gray, massive, unmottled
 featureless dolomite
- 80-130 As 22-57 $S_1, S_2 = 25^\circ$
 @ 87'
- 130-150 As 57-80; ankyts ds 147-150
- 150-156.7 Dk gray med & fine
 dolomite
- 156.7-159 Lt. gray mottled dol.
 $S_1, S_2 = 40^\circ$ @ 159'
- 159-162 As 57-80
- 162-167 Lt. gray mottled dol. of
 156.7-159
- 167-170 Lt. gray featureless, un-
 mottled dol.
- 170-175 Off-white med & fine
 calcitic marble. $S_1 = 70^\circ$ @
 175'

UB



Calcitic

175-221

Med. gray, med. xlline,
~~marked~~ w/ unident xls. Sample
 taken @ 181.5
 1" chartreuse talc, ^{filled} shear
 @ 202'

221-242

Med. gray finely spliny
 dol. w/ occasional ankerite
 xls

 $S_2 = 25^\circ @ 232$

242-282

Lt. gray mottled, sp. dol
 no good folⁿ.

292-296

Med & lt. gray dol. fossil
 "chowder". Prob. brach-
 iopod fragmentals

296-299

Med. gray mottled dol.

299-304.5

Med & lt. gray dol. "chow-
 der"

304.5-321.5

Alternating lt calcitic &
 dk mottled dolomitic bands
 w/ minor "chowder" &
 intraformational beds

321.5-353

Mottled med & lt. gray
 dol.

353-360.5

Dk. gray fine & med. xlline

calcitic marble, Prominent
6" b₉ @ 355'

360.5-372.5 Finely x-line lt-med
gray, slightly calc;
graphitic g₁tz
S₁ = 40° @ 362

372.5-375 Siliceous bro-chlor schist

375-377.5 Finely x-line, non graph.
g₁tz

377.5-385 Finely x-line well foliated
feldspathic bro-chlor schist

385-394.5 Graphitic feldspathic schist
S₁ 50° @ 386'

394.5-406 Very lt. gray quartz feld-
spathic bro-chlor schist
silicified dolomitic finely
x-line marble

✓ 406-408 Graphitic schist

408-415 Off white, finely x-line
silicified dolomitic marble
w/ diss py + siderite
≈ 10% total sulf. from
412-413 Py only no PbS/
ZnS

- silicious
 415-435 Graphitic schist ($\approx 10\%$ graphite), S_1 & S_2 sub-
 ll in places
- ✓ 435-437 Siliceous finely crystalline dol.
 marble. $\frac{1}{4}$ " ZnS(?) band
 @ 436.5' All dol. marble
 should be assayed
- 437-441 Silicious graph. schist
 $S_1 \sim S_2 = 45^\circ$ @ 437'
- 441-443 White chlor mottled gtz -
 feldspathic schist. Possible
 meta^m like
- 443-444 Slightly graphitic QFBC
 schist
- 446-457 Silicious graph. schist
- 457-462 Well foliated, early crystalline
 QFBCM schist
 $S_1 = 0$ @ 458' on
 $F_2(?)$ fol. now
 $S_1 \approx 50^\circ$ @ 462'
- 462-484 Silicious graph. schist
- 484-492 QFBC schist
- 492-495 Graphitic QFBC schist
- 495-506 QFBC schist w/ bull gtz
 veinlets & pods $S_1 = S_2 = 50^\circ$
 @ 506'

- 506-538 Garnetiferous QFBC schist
 $S_1 = S_2 = 45^\circ @ 527'$
- 538-538 QFBC schist becoming
 more bio-rich & more finely
 xlline down hole changing
 to BC granulite
- ✓ 538-562 Graphitic schist w/ 5-10%
 po + minor py as blebs &
 stringers $\approx // S_1 \& S_2$
 Visible ZnS @ 561' Entire
 interval should be assayed
- 562-654 Finely xlline QFBG Gas
 granulite $S_1 = S_2 = 60^\circ @$
 576' Unit has some
 X cutting po + py stringers
- ✓ 622-647 Strongly pyritic
~~graphitic~~
 section of $\frac{1}{4}''$
 py bands $// S_2$
~~massive~~
 Gasiferous section
- 654-682 Strongly
 Banded Gas QFBC schist
 $S_1 = S_2 = 70^\circ @ 677'$
- 682-788 Finely banded, finely xlline
^{spinel}
 BC ~~schist~~ (not QF)
 $S_1 = S_2 = 20^\circ @ 707'$

✓ 788-816 Coarsely banded, coarsely xlinic
 QFBC schist w/ po-py-ZnS
 bands

Strong ZnS 814.5-814.9

✓ 816-819 Finely banded, finely xlinic
 QFBC gran (very siliceous)
 w/ ≈ 50% total sulphides
 $\text{py} \gg \text{po} \gg \text{ZnS} > \text{PbS}$ All 3

visible. May own 5%
 combined Pb+Zn

Geochron

819-836 U. finely xlinic qtz-musc.
 chlor schist w/ "1/16" bands
 & blebs of po+py w/ < 1%
 total sulphides

✓ 836-855 As above w/ ≈ 10% total
 sulphides

836.5-837.5 ≈ 60% total
 sulphides w/ po > py >
 ZnS

840.5-841 = mass. sulpha.

w/ po > py > ZnS

✓ 855-866 As above w/ ≈ 30% total
 sulphides $S_1 = S_2 = 55\%$ @ 855'

BaSO₄ comes in @ 861'

861+866 ≈ 60-70% total sulpha

- 846-~~847~~⁹⁴⁷ Early silice gty muscov chlor schist \ll 1% py
 $S_1, S_2 = 30^\circ @ 880'$
 Occasional "1/4" py bands
 889-891; 901-902
- 947-948.5 Graphitic gty-musc schist
 $S_1, S_2 = 0^\circ$ in zone of F₂ fold
- 948.5-951 Q-M-C schist $< 1\%$ py
- 951-961 QMC schist 1-5% py
 952.5-954 $\approx 5\%$ py no other sulphides
- 961-1024 Banded bio-chlor-Q-F schists
 $S_1, S_2 = 25^\circ @ 975'$
 1011-1011.5 - 6" graphitic BCQF schist w/ 5% py no ZnS/PbS
- 1024 ~~1024~~^{Mod.} = 1026 ~~1026~~ chloritic QFCB schist
 $S_1, S_2 = 30^\circ @ 1025'$
- 1026-1026.5 Chloritic fault gouge
Fault
- 1026.5-1046 U. Family silice chloritic gty w/ 1-5% total sulphides py \gg po

✓
 1031-1036: 5-10% total
 sulfides w/ 2-1" bands to
 75% total sulfides py > pc
 Band @ 1034 has sm. amt.
 $S_1 \approx S_2$

1046-1065 Qtzite grades into fine & thin
 finely banded QFC schist
 $S_1 \approx S_2 = 60^\circ @ 1061'$

1065-1070 Graphitic schist

1070-1100 Strongly banded finely & thin
 BCQF schist
 $S_1 = S_2 = 50^\circ @ 1086'$

1105-1107 V. finely & thin siliceous
 bio-chlor. granulite

1107-1131 Banded finely & thin
 BCQF gran w/ prominent
 chlor. clots

1135-1193 Finely & thin siliceous
 BC granulite

$S_1 \approx S_2 = 45^\circ @ 1139'$

3" band 20% total sulfides

1325 $x > py @ 11635$
 1193-~~1193~~ Banded ¹ BC schist w/
 no visible sulfides
 $S_1 \approx S_2 = 45^\circ @ 1211'$

1-2% po from 1220-1221

6" fault gouge 1239-
1239.5'

$S_1 \approx S_2 = 50^\circ @ 1246$

$S_1 \approx S_2 = 70^\circ @ 1295$

~~Exit~~

1305-1306 = 2% ^{5%} py in F_2

lenses. Numerous act
gts + CO_3 bands (dk green)

Often silica minor py blebs

1325-1328.5

~~Band BC schist~~ w/ 20-30% py
in ep. rich band of schist
unit. No PbS/ZnS

1328.5-1337.5 Finely x-line, banded BC
schist w/ 1-2% diss
po as blebs & stringers

1337.5-1340.5 Finely x-line only slightly
banded gray gts 1-5%
total sulfides py & po

1340.5-1342 As 1328.5-1337.5

1342-1344 As 1337.5-1340.5

1344-1377.5 Finely x-line, siliceous bio.

to BC schist
gran. w/ 1-2% po blebs
& stringers

1348-1348.7 30-40% total
sulf. po & py



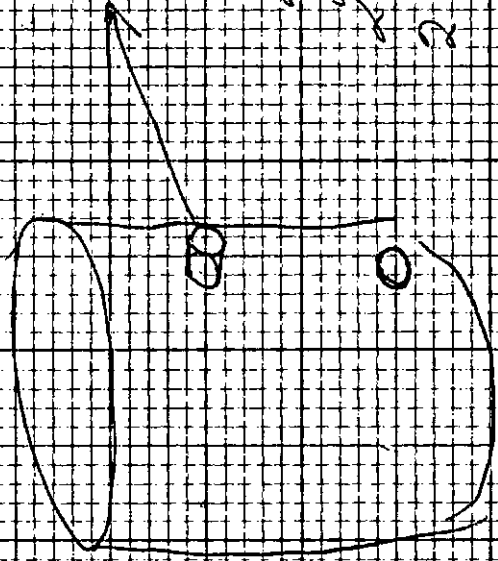
1/2" ID
Bush to 1/4"

1/2" hole
2 - 1/8 to 1/4 bushings.

2 - 1/4 key 4" nipples

2 - 1/4 key 4" "

2 - 1/4 key 4" "



MM 74-2 Assay Samples

<u>Sample</u>	<u>Footage</u>	
1	408.0 - 411.5	
2	411.5 - 415.0	7' ✓
3	435.0 - 437.0	2' ✓
4	558.0 - 562.0	4' ✓
5	622.0 - 627.0	
6	627.0 - 632.0	
7	632.0 - 637.0	
8	637.0 - 642.0	
9	642.0 - 647.0	25' ✓
10	788.0 - 793.0	38' ✓
11	793.0 - 798.0	
12	798.0 - 803.0	
13	803.0 - 808.0	
14	808.0 - 813.0	
15	813.0 - 816.0	
16	816.0 - 819.0	
17	819.0 - 824.0	
18	824.0 - 829.0	
19	829.0 - 836.0	
20	836.0 - 838.0	
21	838.0 - 842.0	
22	842.0 - 847.0	
23	847.0 - 852.0	

24

852.0 - 857.0

25

857.0 - 861.0

26

861.0 - 866.0

560
788

78
38

710

Core broken & blocky from
1376 - 1378

$S_1 \approx S_2 = 60^\circ @ 1367$

1377.5 - 1383.5 Finely x-line, lt gray, slightly
calc. glite w/ $< 9\%$ total
sulfides largely py.

1" po \rightarrow py band mass sulfo

@ 1380.5

1383.5 - 1413 Moderately to strongly comp.
banded, finely x-line
BC schist

6" prominent Q-C-Py-P_{ox} vein
($< 29\%$ total sulfo) centered

@ 1394.75, 1396.75, 1402

2" such vein @ 1410.5

$S_1 \approx S_2 = 55^\circ @ 1408'$

Shipped 116' from MM
 All 116' split
 Only 106' sent for
 assay yet sampled inter-
 vals on tags imply 116'
 submitted

408 - 413 } split but
 788 - 793 } not assayed