

SET OF GEOLOGY NOTES - DY CLAIMS - B. Chaplin      September 23, 1964

Line 60 - 150' SE, of line at 46+100 NE - outcrop area  
noted on air photo      A-12231.

017844

- DY-I      -competant, fine grained I. green col. laminated chert  
-attitude-schistosity (probably <sup>subparallel</sup> ~~subject~~ to bedding)  $260^{\circ}/45^{\circ}$  - note that bedding probably stretched by boudinage-type structure, and original attitude uncertain, however, likely to have been steeper originally (cherty phyllite)  
-minor skarn also noted in sequence.  
- contains lenses of amphibolitic <sup>rocks</sup> in, that contain minor pyrrhotite disseminations.- in part derived from what is called green stone (indicating approximately co-planar <sup>planar</sup> relationship between cherty phyllite and greenstone)  $055^{\circ}/11^{\circ}$  SE - schistosity - a little easterly <sup>from previous outcrop</sup> - (on top of ridge several hundred feet SE) foliation is  $026^{\circ}/40^{\circ}$ W) - very minor chalcopryrite noted along banding plane (thought to be bedding in this case).
- DY-II

looking NE along  
strike showing  
qtz. sweets and  
foliation of DY I  
and DY II type. rn.  
near pond.

direction to  
crestal region  
of fold.

1000' SE (line 68-44+00 NE approx.)

- RN. sim. to previous O.C. - schistosity dipping flattish to south and southeast. RN to east (southeast a few hundred feet inc. in chlorite content and consequently become more schistose - ~~CHITS~~ <sup>attitudes</sup> of schistosity are generally E-W and dip with flat angles both north and south.

Minor fold features in cherty and limy phyllites looking easterly indicating crest of larger fold to south (down dip of schistosity).

DY- CLAIMS - con't

o.c. in gulley approximately 1200' Easterly of DY I  
sample site. Chlorific-sericite-limy schistose in-foliation  
(schistosity  $050^{\circ}/16^{\circ}$ S.- Incipient buckles form minor structures  
 $085/60$  S along NE trend ( $11^{\circ}$ / to strike of schistosity)

direction to  
crestal structure.

DY III type  
folding, located approx.  
200 NE of 86+  
00 SE line D

lineations have  
mostly dip comp-  
onents - bedding  
wrinkles plunge  
gently easterly in  
plane of foliation,  
suggesting bedding  
sub- $11^{\circ}$ / with  
schistosity.

DIAGRAM OF MAIN STRUCTURE

poss. schistosity foliation, cross section baking.  
easterly 2000'

DY- CLAIMS - con't

o.c. in gulley approximately 1200' Easterly of DY I  
sample site. Chloritic-sericite-limy schistose in-foliation  
(schistosity 050°/16°S.- Incipient buckles form minor structures  
085/60 S along NE trend (11°/ to strike of schistosity)

direction to  
crestal structure.

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200 NE of 86+  
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sub-11°/ with  
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DIAGRAM OF MAIN STRUCTURE

poss. schistosity foliation, cross section baking.  
easterly 2000'

DY CLAIMS - Cont'd

Line 88 - 19N - o.c. - 50' easterly - chl sch.  
Traverse down (sa) B.L. 90 SE from 21N -  
13+00 NE O.O. - schistose chl. phyllite close to g.s (Prob.  
derived from g. stone - possibly slumped from bedrock -  
345°/27° NE schistosity, 6+00E - 250' SE, chl. sch-folded  
like DY-III type - rocks slightly talcy - foliation (sch.)  
300°/25° NE 2+00NE - small felsenmere type o.c. - brittle cherty  
phyllite. 0+00 - BL-90 NE end of traverse.  
Traverse from BL-B--SE toward L. 90 NE - no. o.c. - bit  
abundant o.c. about 1000' due west of 50+00 (later examined  
and found to be massive, structureless green stone).  
Line 90 NE  
Brg.-320° for 300 from 9+00S to o.c. (DY IV) chloritic  
granular "green stone" locally schistose in horsetad  
zone 340°/30+50 easterly (torsional stress??)  
N20°E of DY (IV), 700' approx. to small o.c. sim. to DY IV  
and 100' SE of this o.c. is schistose chl. cherty rock (DY V)  
with schistosity 318°/23 NE - well developed foliation and  
probably overlies the granular greenstone.  
BL #C-at 98+50 SE--traversed NE, and 600" away, bit small  
o.c. shows parallel folding in limy phyllite foliation  
(schistosity) approx. N-S/ gentle easterly.

Line 90 NE, 4+00 North-(of C-Line)  
-felsenmere serpentized angular felsenmere-does not  
particularly deflect compass when held close to specimen -  
prob. derived from alteration of greenstone DY VI.  
Line 84-14+00N, 60' west only to small o.c. - chl. rn  
sim. to DY IV- tends to become inc. schisty going NE to  
15+00 and 16+00N, --chl. schist. - schistosity 030°/25°E.  
Rn became rel.massive (featureless again at 16+75' NE.  
Peculiar - flattish lying, almost isoclinally folded  
patches may be deformed pillows.

trend of pillow-like  
structure 110° and  
plunging SE at 25° -

A crude foliation (incumbent schistosity)  
016°/18E.

Line 80, -- SW from D-(may not have covered area near line D?)  
14+00N (of C) brg 290°-200' to o.c. - banded chty-chl. phyllite  
schistosity 070/35°S -lineations trend 145° in planed (dip  
of) schistosity.

BL-C 70+00 SE - several hundred feet southerly ( to line)  
green stone 120°(15°N) - crude foliation.

BL-C 71+50 SE - felsenmere serpentized

DY CLAIMS - Cont'd

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N20°E of DY (IV), 700' approx. to small o.c. sim. to DY IV  
and 100' SE of this o.c. is schistose chl. cherty rock (DY V)  
with schistosity 318°/23 NE - well developed foliation and  
probably overlies the granular greenstone.  
BL #C-at 98+50 SE--traversed NE, and 600" away, bit small  
o.c. shows parallel folding in limy phyllite foliation  
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green stone 120°(15°N) - crude foliation.

BL-C 71+50' SE - felsenmere serpentized

DY CLAIMS - cont'd

- BL-C 71+50' SE - felsenmere serpentized green stone -no deflection on compass needle noted, when brought close to compass ( $1^{\circ}$  or  $2^{\circ}$  possibly).
- BL-C 79+00- to 80+00 o.c. - banded chty phyllite  $125^{\circ}/23^{\circ}$ N (possibly schistosity and bedding  $11^{\circ}$ 1).
- 30' - SW - 10'x10' felsenmere - alter manganese stained greenstone blocky boulders containing disseminated pyrrhotite (10+5%) and minor pyrite. Possibly a little chalcopyrite - has a very light deflective effect on compass needle (DY VII) - Possible small o.c. of alt. rock foliated  $110^{\circ}/42^{\circ}$ N. Note 200' southwest of 79+50 - o.c. of massive structureless greenstone. Also, just westerly and a little south of 79+50 outcrop of massive, structureless green stone. A 1500 anomaly coincides with an overburden area between these (150' wide magnetic effect) mentioned out crops - the peak of which is at 79+50 - and about 80' south west of the Line C - could possibly be hand-trenched.

Soil samples - DY - 79+50 - 0+50 SW - B soil

DY - 79+50 - 1+00 SW - A soil

- BL-C 84+00 SE - small g.c. green stone and derived chl. sch., schistosity at  $150^{\circ}/50^{\circ}$  N.
- Line 92 -- north east from line C-
- 3 +00 N - o.c. 100' easterly green stone.
- 7+00 N o.c. - 30' easterly talcy - chl. sch.
- 13+00 N - - chl.-seri sch. - schistosity  $325^{\circ}/25^{\circ}$ N
- 17+00N - -sheared green stone N-S  $/28^{\circ}$ E
- 24+00-25+00 o.c. green stone, crudely foliated  $270^{\circ}/61^{\circ}$ S
- 25+00-26+00 - chty on highly in possible westerly plunging synclinal fold pattern as indicated by a 2.0' outcrop zone.

Massive, but well "jointed green stone" merging into well foliated chty-chl schist, dip appears to change from  $61^{\circ}$ S in overlying green stone to  $35^{\circ}$ N in underlying schisty indicating a vertical fold, concave to the north, and minor fold suggests a westerly plunge to fold.-???

Note also, that minor structures indicate that schistosity has attenuated fold crests to a greater extent than the fold link.

Average attitude of bedding  $340^{\circ}/55^{\circ}$ S  
Schistosity  $315^{\circ}/5^{\circ}$ S  
(Note effect of this example on bedding -ie to attenuate primary structure).

to crestal area (southerly)

DY CLAIMS - cont'd

- BL-C 71+50' SE - felsenmere serpentized green stone -no deflection on compass needle noted, when brought close to compass (1° or 2° possibly).
- BL-C 79+00- to 80+00 o.c. - banded chty phyllite 125°/23°N (possibly schistosity and bedding 11°1).  
30' - SW - 10'x10' felsenmere - alter manganese stained greenstone blocky boulders containing disseminated pyrrhotite (10+5%) and minor pyrite. Possibly a little chalcopryite - has a very light deflective affection compass needle (DY VII) - Possible small o.c. of alt. rock foliated 110°/42°N. Note 200' southwest of 79+50 - o.c. of massive structureless greenstone. Also, just westerly and a little south of 79+50 outcrop of massive, structureless green stone. A 1500 anomaly coincides with an overburden area between these (150' wide magnetic effect) mentioned out crops - the peak of which is at 79+50 - and about 80' south west of the Line C - could possibly be hand-trenched.  
Soil samples - DY - 79+50 - 0+50 SW - B soil  
DY - 79+50 - 1+00 SW - A<sub>o</sub> soil
- BL-C 84+00 SE - small g.c. green stone and derived chl. sch., schistosity at 150°/50 N.  
Line 92 -- north east from line C-  
3 +00 N - o.c. 100' easterly green stone.  
7+00 N o.c. - 30' easterly talcy - chl. sch.  
13+00 N - - chl.-seri sch. - schistosity 325°/25N  
17+00N - -sheared green stone N-S /28E  
24+00-25+00 o.c. green stone, crudely foliated 270°/61°S  
25+00-26+00 - chty on highly in possible westerly plunging synclinal fold pattern as indicated by a 2.0' outcrop zone.
- Massive, but well "jointed green stone" merging into well foliated chty-chl schist, dip appears to change from 61°S in overlying green stone to 35°N in underlying schisty indicating a vertical fold, concave to the north, and minor fold suggests a westerly plunge to fold.-???
- Note also, that minor structures indicate that schistosity has attenuated fold crests to a greater extent than the fold link.
- Average attitude of bedding 340°/55°S  
Schistosity 315°/5S  
(Note effect of this example on bedding -ie to attenuate primary structure).
- to crestal area (southerly)

DY CLAIMS - cont'd

One small piece float dr. col. silica - rich rock appearing to come from graphitic schist?? located on prominent slide bank 1500' - brg 095° from fly camp.

Approx. line 68, 16+00 S (estimated) - rel. prominent, crude gulley with slough - contains graphitic schist-monoplinar incipient dragfolds 243° - plunging gently eastward, bedding indicated 160°/42°E (see Diag. on page )

Looking southerly

North easterly - graphitic - sericite sch. overlies cherty phyllitic foliation 110°/18N - o.c. extends from graphitic sch to cherty phyllite for about 200'.

Assumed cross section of above area-

indicating a succession of graphitic sericite schist. } bottom  
cherty phyllite }  
limy cherty phyllite }  
green stone } top

It is most likely that the right side up succession is graphitic - sericite schist. } top -as indicated to SE  
sericite-chloritic schist. } here structures believed  
limy, cherty, schist and } to be gently and simply  
phyllite greenstone } bottom southerly dipping (??)

looking easterly at  
minor fold structure

foliation 140°/38E  
located L68-14S

DY CLAIMS - cont'd

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minor fold structure

foliation 140°/38E  
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DY CLAIMS-Cont'd

BL-C 71+50 - sepp. greenstone - and 40' - no apprec. deflection when brought up to compass needle (DY VIII)

Line 100

Due south of 100+00 Line C-350' - sl. talcose seri. sch. -203°/19°E 60' westerly 245°/20 SE (schistosity)

100' westerly 300°/80N (bedding) -in chty phyllite when schistosity is 175°/26°E).

-from 96-8S---SE;

150' small o.c. frant. greenstone bounded on north side by a detached felsenmere graph - seri sch. with abundant qtz sweats - (sch - 020°/24E) - the sch became limy a little NE (50' away) when sch. is 025/25°E).

Line 100 - 7+50'S, o.c. - graph seri sch. (040/23°E)

from 7+50's. -- 160° for 80' to o.c. of chty-chl. seri-sch (045°/15°) - range heat of steeply inclined bedding shown by boudinage structures within schist. (steeply dipping but highly dragged uncertain of original inclination).

Some limy - tuff zones note which at first resembles greenstone (DY IX) (030°/15°E sch) 7+50'S-- 160° for 300' -o,c. greenstone (DY X).

Line 100 - 10+00 S - o.c. talcy seri sch. with lime and highly crenulated by boudinage structures and 2" amplitude drag folds. - poss. rel. steep inclination of original bedding?? -sch. 095°/40S - plunge of minor folds 120° @ 20°.

Line 100 - 18+00 S - o.c. 75' SE - gently south dipping graph seri sch overlaying limy cherty sch. (095°/28S)

Line 100 - 20+00 S - small o.c. of DY IX type 24+00 S scattered felsenmere indicates presence of highly contorted chty phyllite and that soil sample site at 22+00 S indicates abundant graph seri. sch.

28+00'-chty banded rn - flat southerly dips - bounding greenstone on NW side.

Going NW along claim line close to line B, and at Line 96, 28+00 S - dark grey graphitic seri-sch.

NW of line 96-on loc'n line more flat chty phyllite, underlying graph - seri sch.

Sept. 28th.

From 53+50 on line C - (Note, his traverse to line C - may be incorrectly paced). 500' - 520°W to o.c. - schistose greenstone - probably a tuff aceous horizon (DY XI)

trace of bedding, looking easterly of outcrop.

sch: 050/8° SE

plunged minor folds 120° @ approx 10°-15°

-note suggestion of -type fold crests and troughs (assumed)

DY CLAIMS-Cont'd

BL-C 71+50 - sepp. greenstone - and 40' - no apprec. deflection when brought up to compass needle (DY VIII)

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Due south of 100+00 Line C-350' - sl. talcose seri. sch. -203°/19°E 60' westerly 245°/20° SE (schistosity)

100' westerly 300°/80°N (bedding) -in chty phyllite when schistosity is 175°/26°E).

-from 96-88---SE;

150' small o.c. frant. greenstone bounded on north side by a detached felsenmere graph - seri sch. with abundant qtz sweats - (sch - 020°/24°E) - the sch became limy a little NE (50' away) when sch. is 025°/25°E).

Line 100 - 7+50'S, o.c. - graph seri sch. (040°/23°E)

from 7+50's. -- 160° for 80' to o.c. of chty-chl. seri-sch (045°/15°) - range heat of steeply inclined bedding shown by boudinage structures within schist. (steeply dipping but highly dragged uncertain of original inclination).

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trace of bedding, looking easterly of outcrop.

sch: 050°/8° SE

plunged minor folds 120° @ approx 10°-15°

-note suggestion of -type fold crests and troughs (assumed)

DY CLAIM GROUP -Cont'd

100' S 20 W of 53 + 50 on Line C (may be incorrectly located)  
-dark grey sericite schist. 075°/10° S - lineations  
appear strike slip.

From 54+00 N on Line C - traversed NE and hit line 56 at  
18+00 N of schist---325°/20°-SW} Line C - at this point,  
(50' NW) o.c. limy-cherty phyllite schist - 325°/20° SW).  
bedding - highly crenulated --boudinage type strata.

possible bedding  
015°/15° W ??

Line 60- (Approx) -- SW between Line D and C.

700' - limy cherty, phyllite - flattish schist towards  
south.

1100 - felsenmere o.c. handed crenulated cherty phyllite  
- 150' SE - o.c. shows folding.

Note tendency  
toward type  
fold crest which  
plunged 120° at  
flat angle.

note schistosity  
also bends.

50' southerly of above diag.

flat, parallel fold - where bedding parallel to schistosity  
135°/20° N.

100' southerly from the diagram o.c. - approx. 1200'  
NE of line C.

looking easterly, cherty, limy, phyllite, with def ormable  
(silt stone???) or 'tuff' ??? lance.

bedding 155°/20°E, plunge of fold area 100°/25°E

175°/15°E schistosity 090/20°N

Note: that fold area trend parallel to schistosity trend.

DY CLAIM GROUP -Cont'd

100' S 20 W of 53 + 50 on Line C (may be incorrectly located)  
-dark grey sericite schist. 075° 10' S - lineations  
appear strike slip/  
From 54+00 N on Line C - traversed NE and hit line 56 at  
18+00 N of schist---325°/20-SW} Line C - at this point,  
(50' NW) o.c. limy-cherty phyllite schist - 325°/20 SW).  
bedding - highly crenulated --boudinage type strata.

possible bedding  
015°/15 W ??

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175°/15E schistosity 090/20N  
Note: that fold area trend parallel to schistosity trend.

DY CLAIM GROUP - Cont'd

Hit BL-C at 59+00

Sent south of C-line and saw o.c. of approx. 400'  
SW of BL-C, - perpendicular from 64+00 - walked due  
easterly and hit C-line of 68+00E. o.c. south of  
64+00 (400' south -schistose greenstone  $290^{\circ}/16^{\circ}$  N.

Working from X-line (cut for gravity survey).

$335^{\circ}$  - 50' from 0+00, slightly sheared greenstone  $290^{\circ}/75^{\circ}$  N  
-NE of above o.c., sherty phyllite, bedding  $235^{\circ}/70^{\circ}$  SE  
- at 0150-125 from 0+00, cherty phyllite.

schistosity ( $320^{\circ}/40^{\circ}$  NE)  
fold areas trend  $320^{\circ}$

looking westerly at o.c. located 150' at DI5<sup>0</sup> from  
0+00 or B.C. # "X" - "average" dip of bedding about  $40^{\circ}$   
southerly (locally)

looking westerly  
125' at  $15^{\circ}$  from 0+00 B.L. "X"  
3+00  $348^{\circ}$  for 250' - serpentized greenstone for 20'  
area - o.c. trends  $225^{\circ}$  toward previously described  
folded cherty in. the intervening exposure is greenstone  
which is sheared on its S.W. side. The cherty appear  
to underly the greenstone locally - contact  $320^{\circ}/\text{mod. to}$   
steep  
1 +  $40^{\circ}$  on "X" line  
o.c. - seri - chl. chty sch.

bedding approx.  
 $330^{\circ}/41^{\circ}$  NE  
Sch.  $340^{\circ}/34^{\circ}$  NE

DY CLAIM GROUP - Cont'd

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SW of BL-C, - perpendicular from 64+00 - walked due  
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-NE of above o.c., sherty phyllite, bedding  $235^{\circ}/70^{\circ}$  SE  
- at 015'-125' from 0+00, cherty phyllite.

schistosity ( $320^{\circ}/40^{\circ}$  NE)  
fold areas trend  $320^{\circ}$

looking westerly at o.c. located 150' at DI5<sup>o</sup> from  
0+00 or B.C. # "X" - "average" dip of bedding about  $40^{\circ}$   
southerly (locally)

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125' at  $15^{\circ}$  from 0+00 B.L. "X"  
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which is sheared on its S.W. side. The cherty appear  
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steep  
1 + 40' on "X" line  
o.c. - seri - chl. chty sch.

bedding approx.  
 $330^{\circ}/41^{\circ}$  NE  
Sch.  $340^{\circ}/34^{\circ}$  NE

DY GROUP CLAIM - cont'd

2+50' - limy cherty 35' N of line  
2+60' - on line green stone  
3+00 foliated greenstone  $120^{\circ}/12^{\circ}\text{N}$   
- 50' south greenstone  
3+50 - 15' S of line, greenstone becomes coarse grained  
-chl. serp. -amphihole and felspar - no noticeable  
affect on compass needle DY XII  
-o.c. occurs sporadically ap to 5+40, south of B.C.  
"X".

Hole dug by J. Brock at 79+50 and 100' southerly of BL-C  
4' overburden - sheared serpentized greenstone - shearing  
approx.  $325^{\circ}$ /st - NE. No compass needle deflection  
noted in field DYXIII  
From "X" 3+00, brg  $250^{\circ}$  - 1500' o.c. cherty phyllite  
 $005^{\circ}/12\text{E}$  - some folding noted

1800' - mass greenstone.  
-Contact area between cherty in and greenstone 400' to  
the N.W. - where cherty in folded near contact and appear  
to be on top of the greenstone.

alot bedding?  $285^{\circ}/25^{\circ}\text{E}$

looking westerly  
-contact between greenstone and cherty in trends about  
 $310^{\circ}$  for several hundred feet than is lost in covered  
area to N.W.

Sept 29th

72+00 on Line C - brg  $260^{\circ}$  for about 700' to o.c. limy  
cherty phyllite overlying the greenstone. Contact between  
the two rocks trends  $230^{\circ}$  and the greenstone is to the  
south east.-  
-From 72+00 on C, traversed back and forth NE of the line  
C and hit line 90 at 7+00 N - no o.c. noted on traverse.  
0+00 BL-"X" -  $260^{\circ}$  - 350' away o.c. greenstone limy chert  
contact trending  $315^{\circ}/40\text{N}$  (greenstone below)/

- the latter o.c. is about 300' east of the o.c. mapped  
previously in area of graphitic - sericite sch.

DY GROUP CLAIM - cont'd

2+50' - limy cherty 35' N of line  
2+60' - on line green stone  
3+00 foliated greenstone 120°/12°N  
- 50' south greenstone  
3+50 - 15' S of line, greenstone becomes coarse grained  
-chl. serp. -amphihole and feldspar - no noticeable  
affect on compass needle DY XII  
-o.c. occurs sporadically ap to 5+40, south of B.C.  
"X".

Hole dug by J. Brock at 79+50 and 100' southerly of BL-C  
4' overburden - sheared serpentized greenstone - shearing  
approx. 325°/st - NE. No compass needle deflection  
noted in field DYXIII  
From "X" 3+00, brg 250° - 1500' o.c. cherty phyllite  
005°/12E - some folding noted

1800' - mass greenstone.  
-Contact area between cherty in and greenstone 400' to  
the N.W. - where cherty in folded near contact and appear  
to be on top of the greenstone.

alot bedding? 285°/25°E

looking westerly  
-contact between greenstone and cherty in trends about  
310° for several hundred feet than is lost in covered  
area to N.W.

Sept 29th

72+00 on Line C - brg 260° for about 700' to o.c. limy  
cherty phyllite overlying the greenstone. Contact between  
the two rocks trends 230° and the greenstone is to the  
south east.-  
-From 72+00 on C, traversed back and forth NE of the line  
C and hit line 90 at 7+00 N - no o.c. noted on traverse.  
0+00 BL-"X" - 260° - 350' away o.c. greenstone limy chert  
contact trending 315°/40 N (greenstone below)/

- the latter o.c. is about 300' east of the o.c. mapped  
previously in area of graphitic - sericite sch.

Set of Geology Notes - By Glavin - B. Clinton

23 Sept, 1964

Line 60 - 150' SE, of line at 4600E - original  
area noted on air photo A-12231

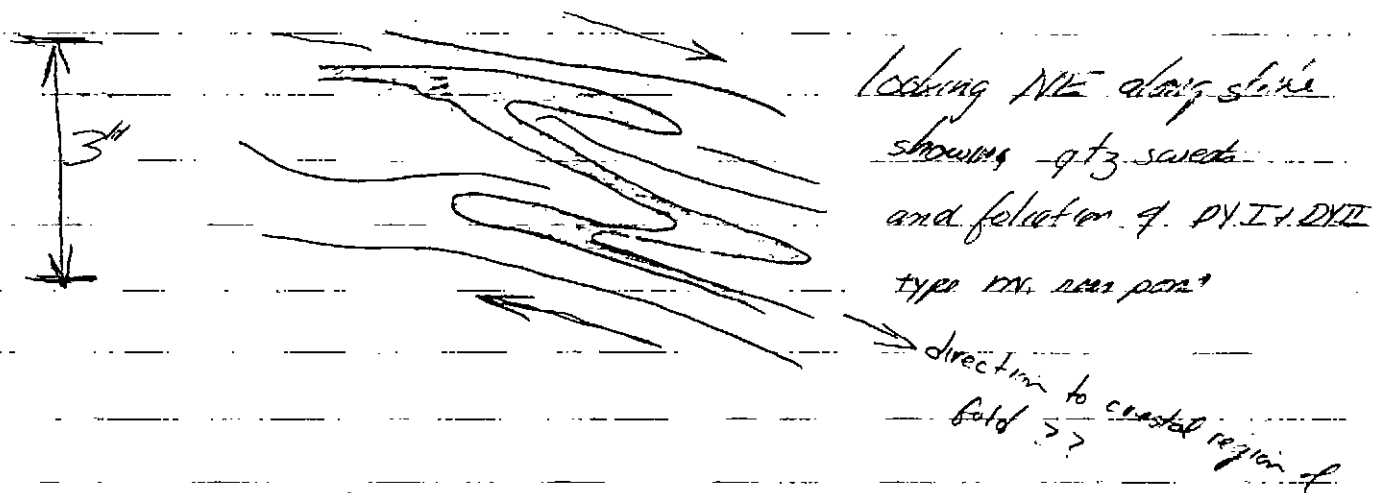
DY-I - competent fine grained I. gran. col. laminated chert  
- attitude = schistosity (prob. <sup>suppl</sup> to bedding)  $260^\circ/45^\circ$  - note

that bedding probably stretched by boudinage-type structure and  
original attitude uncertain, however, likely to have been steeper originally  
(cherty phyllite) - minor shear also noted in sequence

- contains lenses of amphibolite in. that contain minor

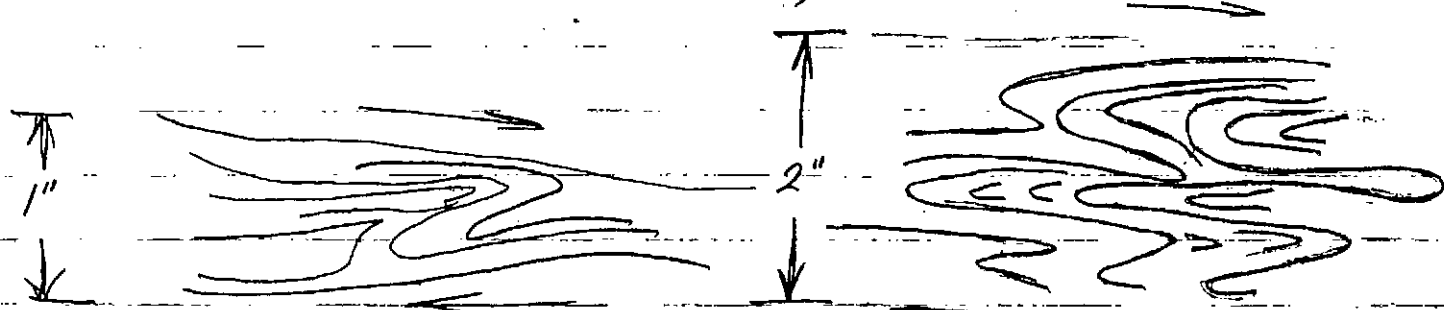
DY-II - phyllite disseminations. - in part derived from whole  
called greenstone (indicating upper co. <sup>primary</sup> relationship  
between cherty phyllite and greenstone).  $055^\circ/11^\circ$  SE - schistosity

- a little easterly - (at top of ridge several hundred feet SE)  
foliation in  $026^\circ/40^\circ$  W - very minor chlorite ~~at~~  
along banding plane (thought to be bedding in this case)



1000' SE (Line 68 - 4900 NE approx)

- rx. sim. to prev. o.c. - schistosity dipping flattish to  
south and south-east. Rx to east (south-east after  
hundred feet inc. in chlorite content and coarsening)  
became more schistose - attitude of schistosity generally  
E-W + dip with flat angles both north and south



minor fold features in cherty + very phyllite looking easterly  
indicating crest of <sup>2</sup> fold to south (down dip of  
schistosity)

✓

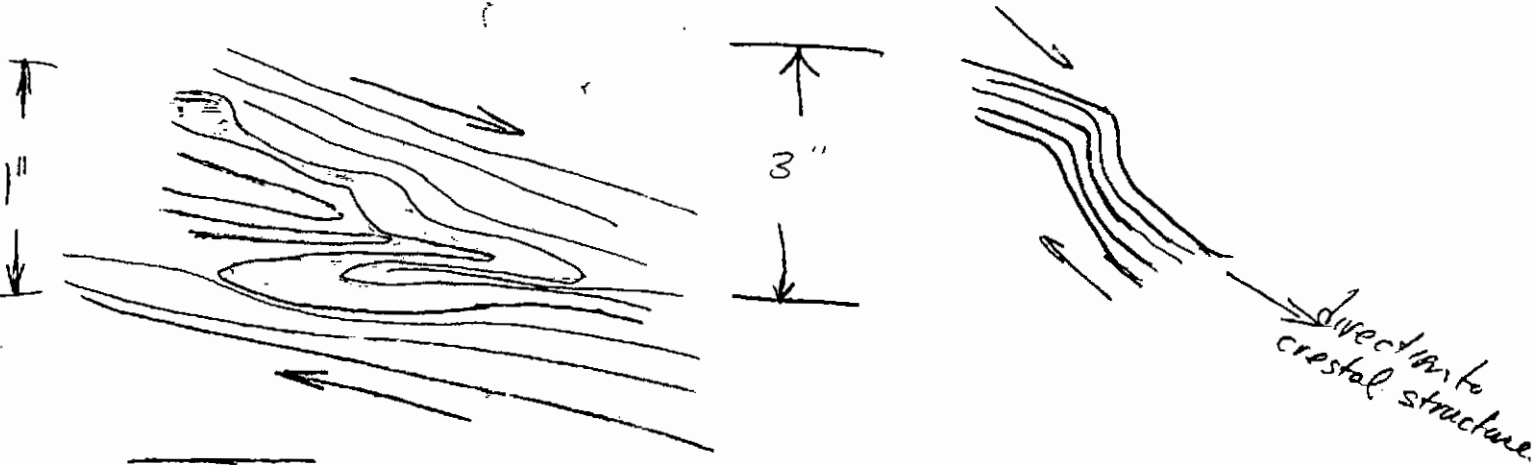
O.C. in gulley approx 1200' East of DYI - sample ext.

chloritic - ~~sericite~~ - lining schistose in - foliation (schistosity)

050°/16'S. - Incipient buckles form minor structures.  
085°/50'S

085/505

along NE trend (11° to strike of schistosity)



∴ Polarity 050/10'E

DY-III type

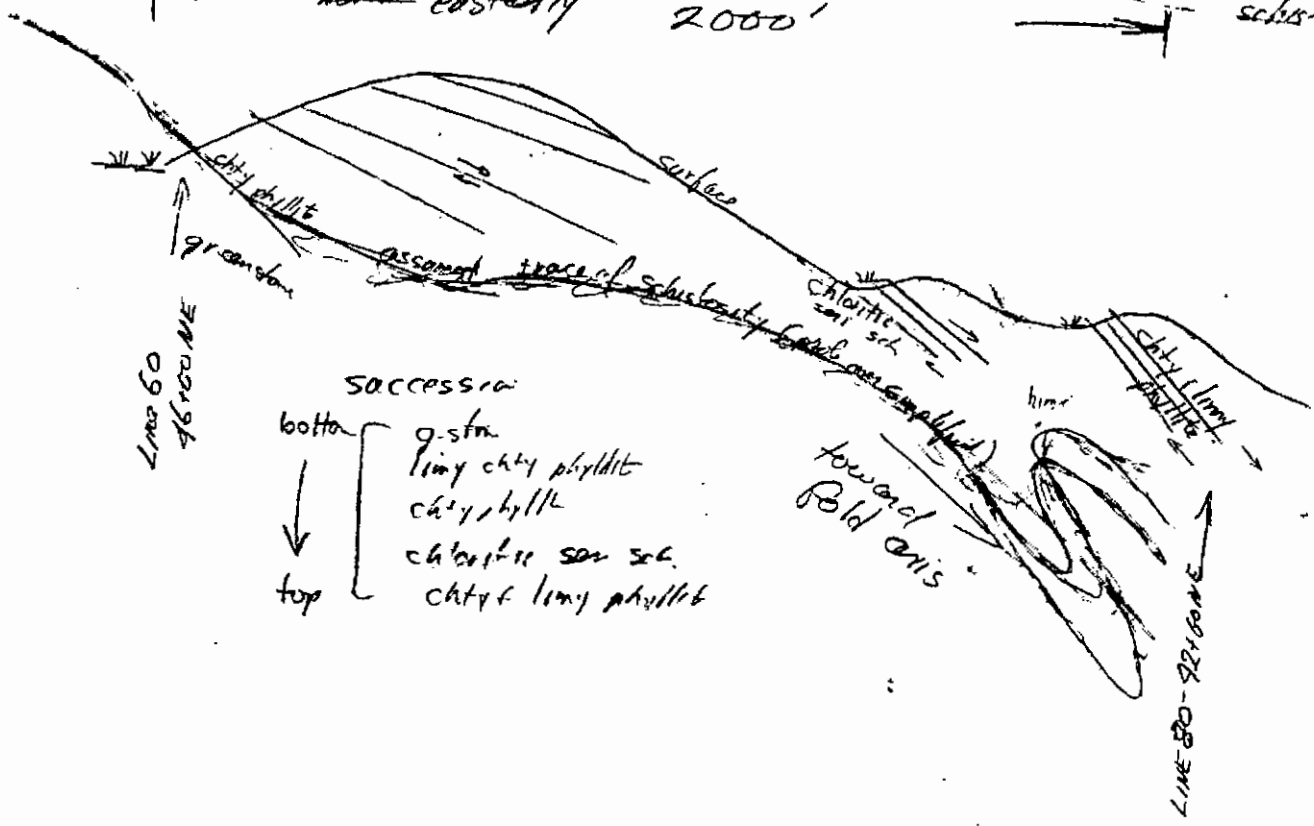
folding, notes

app 200 N.E. of  
86400 SE  
LINE D

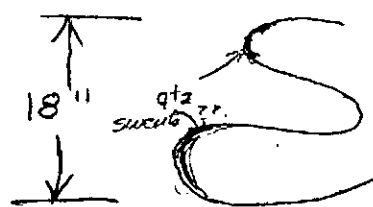
limestone have  
mostly dip components  
— bedding wrinkles  
plunge gently  
eastward in plane  
of foliation,  
suggesting bedding  
sub-parallel with  
schistosity

Diagram of mini structures

poss. schistosity foliation, cross section. looking  
— ~~north~~ easterly 2000' —



Line 89- 14+00N, 60' westerly to small oc. chl. in sim. to DY IV -  
tends to become inc. schistosity going NE to 15+00 & 16+00N,  
→ chl. schist - schistosity  $030^{\circ}/25^{\circ}$ . Rn. from rel.  
massive & featureless again at 16+75' NE. Recollar - flattish  
lying, almost isoclinally folded patches may be deformed pillow-



trond of pillow-like  
structures  $110^{\circ}$  + plunging  
SE at  $25^{\circ}$  -

a crude foliation (inc. schistosity)  $016^{\circ}/18^{\circ}$

LINE 80, → SW from D- (may not have covered area near line D??)  
14+00N (of C) by  $290^{\circ}$  -  $200'$  to oc - banded chry-chl. phyllite  
schistosity  $070^{\circ}/35^{\circ}$  S - lineation trend  $145^{\circ}$  in plane of  
(dip of schistosity)

BL-C- 70+00 SE - several hundred feet southward (± to line)  
g. str.  $120^{\circ}/15^{\circ}$  N - crude foliation

BL-C- 71+50' SE - felsomere serpentinite g. str. - on  
deflection on compass needle noted, when brought close to compass  
( $1^{\circ}$  or  $2^{\circ}$  possibly)

BL-C- 79+00 - to 80+00 oc - banded chry phyllite  
 $125^{\circ}/23^{\circ}$  N (possibly schistosity & bedding  $11^{\circ}$ )

30' SW - 10' x 10' felsomere - alt. rock manganese  
stained greenstone blocky boulders containing disseminated  
pyrite ( $1^{\circ}$  +  $5^{\circ}$ ) & minor pyrite. Possibly a little  
chalcopyrite - has a very slight deflection on  
compass needle (DY VII) - possible small oc  
of alt. rock foliated  $110^{\circ}/42^{\circ}$  N. Note 200' southward  
of 79+50 - o.c. of massive, structureless greenstone.  
Also, just westerly and a little south of 79+50 - outcrop  
of massive, structureless greenstone. A 1500 ft anomaly  
coincides with an outcrops area between these (150' wide  
mentioned outcrops - the peak of which is at (magnetic effect)  
79+50 - and about 80' south west of the line C -  
could possibly be a road - trampled.

soil samples - DY- 79+50 - 0+50 SW - B soil  
DY- 79+50 - 1+00 SW A soil

## Geol. Dy Group

Line 88 - 19N - oc - 50' east - chl. sch.

Transverse down (Sd.) B.L. 90 SE from 21N -

1300 NE oc - schistose chl. phyllite close to g.s. (prob derived

from g.s. - possibly slumped from back -  $345^{\circ}/27^{\circ}$  NE <sup>schistosity</sup>

6100s - 250' SE, chl. sch - folded like DY-III type - 100's

slightly talcy - foliation (sch.)  $300^{\circ}/25^{\circ}$  NE

2400 NE - small folienmore type oc - butte cherty phyllite

0400 - BL-90 NE (end of traverse)

Traverse from BL-B  $\rightarrow$  SE. 500' L 93 NE - no oc - lit abundantoc about 1000' due west of 50400 (lit. oc in it found  
to be massive, striae visible granitic)

## LINE 90 NE

by  $320^{\circ}$  for 300' from 9400s - to oc (PY IV)

cherty granitic "granite" locally schistose in base of

~~zone~~  $105^{\circ}/340^{\circ}/30-50$  easterly (torsional stress??)

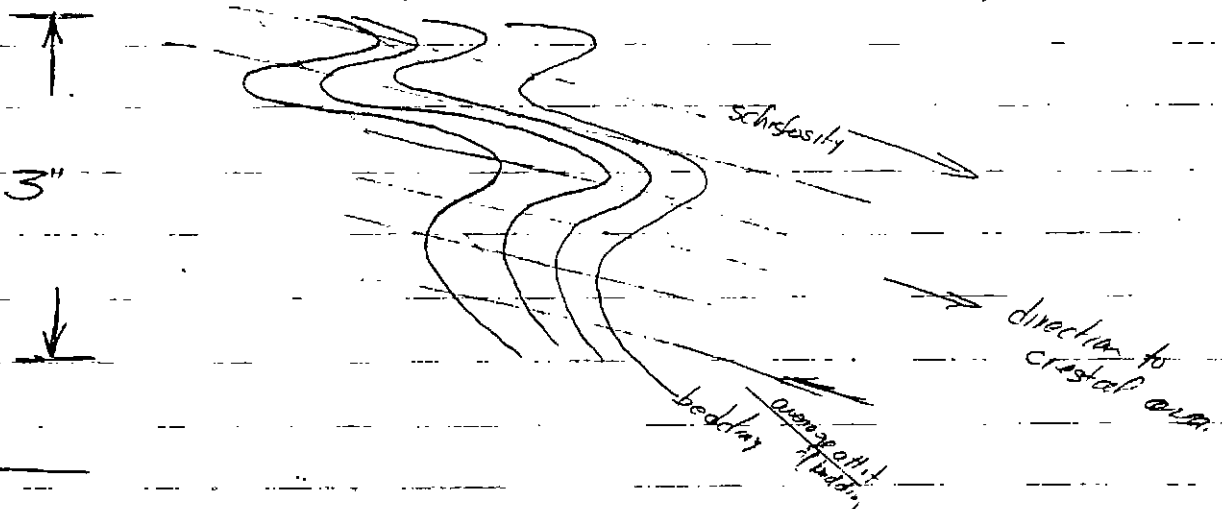
N20°E of PY (IV), 700' approx. to small oc. sum. for PY IV

+ 100' SE of this oc is schistose chl. cherty rock (DY V)

with schistosity  $318^{\circ}/23^{\circ}$  NE - well developed foliation

not prob over the granitic granitoid

BL #C - at 98+50 SE - traversed NE, and 600' away, lit small

oc, shows ~~schistosity~~ parallel folding in limy phyllitefoliation (schistosity) appear N-S / gentle ~~to~~ easterly

Line 90 NE, 4400 North - (of C-line)

- folienmore serpentinized argill. folienmore - does not particularly  
deflect compass when held close to specimens - prob derived  
from alteration of perovskite - DY VI

(5)

P

Dy - Group 500

BL-C - 89400 SE - small o.c. g. stone + derived chl. sch.  
 , schistosity at  $150^\circ/50^\circ$

LINE 92  $\rightarrow$  north east from line C -

3400N - o.c. 100' east of g. stone

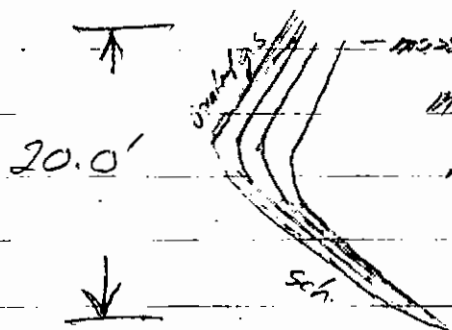
7400N - o.c. - 30' east of talc-schist chl. sch.

13400N - " - chl-schist - schistosity  $325^\circ/25^\circ$

17400N - g. stone g. stn N-S ( $28^\circ$  E)

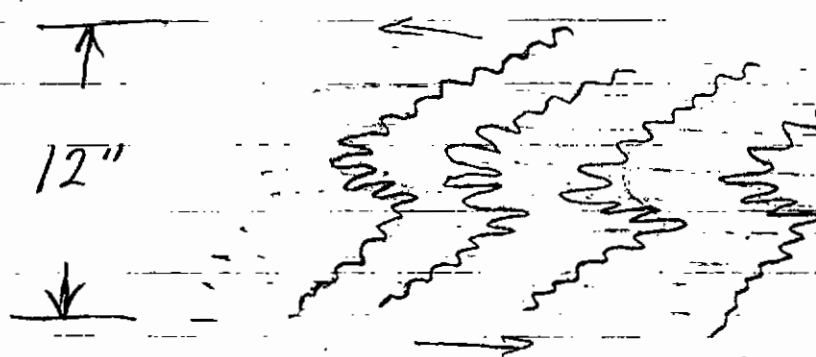
24400-25400 - o.c. g. stone, crudely foliated  $270^\circ/61^\circ$

25400-26400 - chl. or. highly crumpled in possible  
 westerly plunging synclinal fold pattern  
 as indicated by a 2.0' outcrop zone



- massive but well "jointed" g. stone - dipping  
 into well foliated chl. schist  
 Dip appears to change from  $61^\circ$  S in  
 overlying g. stone to  $35^\circ$  N in underlying  
 schist, indicating a vertical  
 fold, concave to the west, &  
 minor fold suggests a westerly  
 plunge to fold - (????)

Note also, that minor structures indicate that schistosity has  
 attenuated folds, to a greater extent than the fold limbs.



average attitude of bedding

$340^\circ/55^\circ$

schistosity  $315^\circ/55^\circ$

(note effect of this  
 example on bedding - i.e. to  
 attenuate primary structure)

one small piece float (dk. col. silica-rich rock appearing to  
 come from graphitic schist?) located in prominent  
 slide bank 1000' - big 095° from fly camp

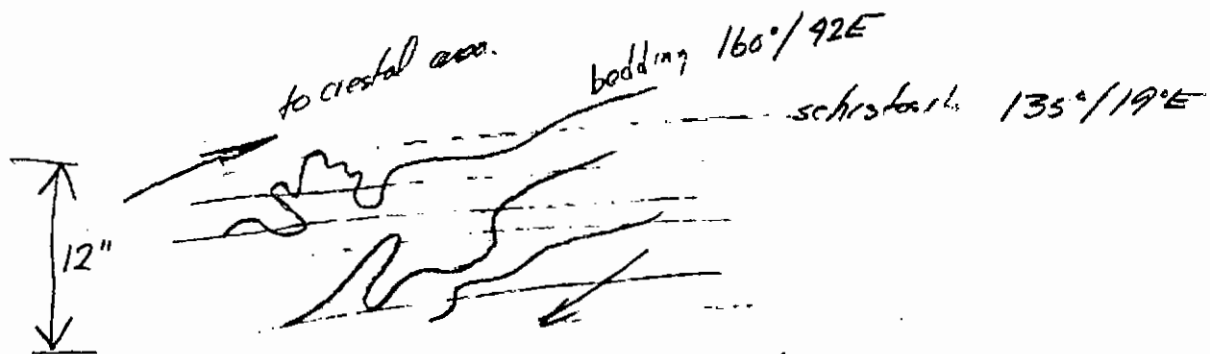
Approx line 68, 16400S (estimate) - rel. prominent, coarse  
 gneiss with streak - contains graphitic - some schist

- monoclinal? important large fold  $243^\circ$  - plunging gently

eastward; bedding indicated  $160^\circ/42^\circ$  E (can be in rock)

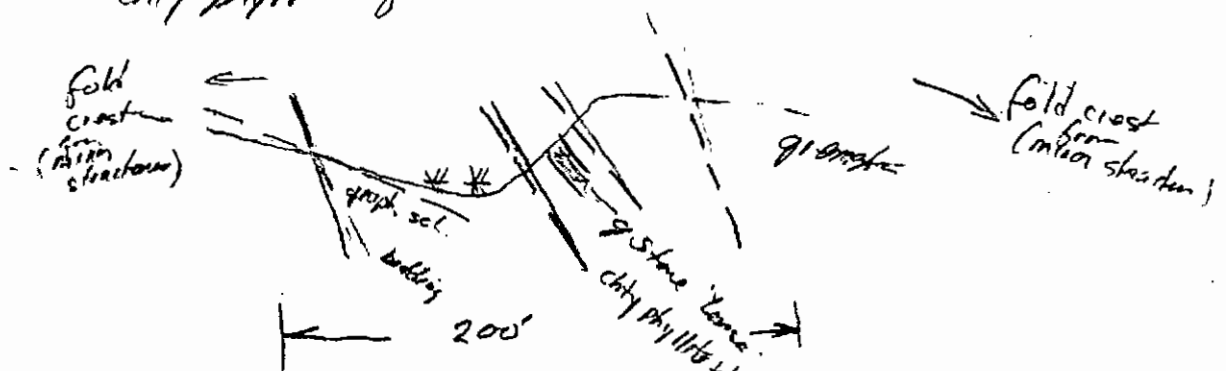
6

P



looking southward

northern half - graphitic - sch. contains cherty phyllite in  
 foliation  $110^{\circ}/18^{\circ}E$  - .0.C. distance from graphitic sch. to  
 cherty phyllite for about 200'



assumed cross section of above  
 area - indicating a succession of

|                      |                    |
|----------------------|--------------------|
| sericite schist      | bottom<br>↓<br>top |
| graphitic sch.       |                    |
| cherty phyllite      |                    |
| limy cherty phyllite |                    |
| greenstone           |                    |

it is most likely that the right side up  
 succession is graphitic ~~sericite schist~~ <sup>sericite schist</sup> top  
~~sericite-chlorite schist~~ <sup>sericite schist</sup>  
 limy cherty schist ~~limy cherty schist~~ <sup>limy cherty schist</sup>  
 cherty phyllite  
~~greenstone~~ <sup>greenstone</sup> bottom

as indicated to SE  
 these structures believed  
 to be gently & simply  
 southerly dipping (??)

15.0'



# Dy Group 600-

⑦

P

BL-C- 70+50 - ssp g. stone - and 40' SW - as approx. deflection when brought up to compass needle (DY VIII)

## LINE 100

due south of 100+00 Line C- 300' - sl. talcose seri. sch - 203°/19°E

60' westerly 295°/20 SE (schistosity)

100' " 300°/80N (bedding) - in chty phyllite where schistosity

is 175°/26°E

- from 96-85 → SE;

150' - small o.c. fract g. stone bounded on north side by a detached felsenmore graph-seri sch with abundant gtz scoria - (sch - 020°/24°) - the sch. becomes limy a little NE (50' away) where sch. is 025°/25°E

Line 100- 7+50'S, o.c. - graph seri sch (040°/23°E)

from 7+50'S → 160° for 80' to o.c. of chty chl.

seri-sch (045°/15°) - vague hint of steeply

inclined bedding shown by boudinage structures within

schist (steeply dipping but highly dragged - uncertain of

original inclination) - Some limy - buff, zone near

which at first resembles green stone (DY IX) (030°/15°E sch)

7+50'S → 160° for 300' - o.c. g. stone (DY X)

Line 100- 10+80'S - o.c. talc. seri sch with line + highly

crenulated by boudinage structures + 2" amplitude

drag folds - poss. rel. steep inclination of

original bedding?? - sch 095°/40S - plunge

of minor folds 120° @ 20°

Line 100- 12+00'S - o.c. 75' SE - gmsly scab dipping

graph seri sch overlying limy cherty sch

(095°/28S)

Line 100- 20+00'S - small o.c. of DY IX type sch

24+00'S - scattered felsenmore indicates presence

of highly contorted chty phyllites & that

soil sample set at 23+00'S indicates abundant

graph. seri. sch

- 28+00' - chty banded in - flat scab dipping - bearing

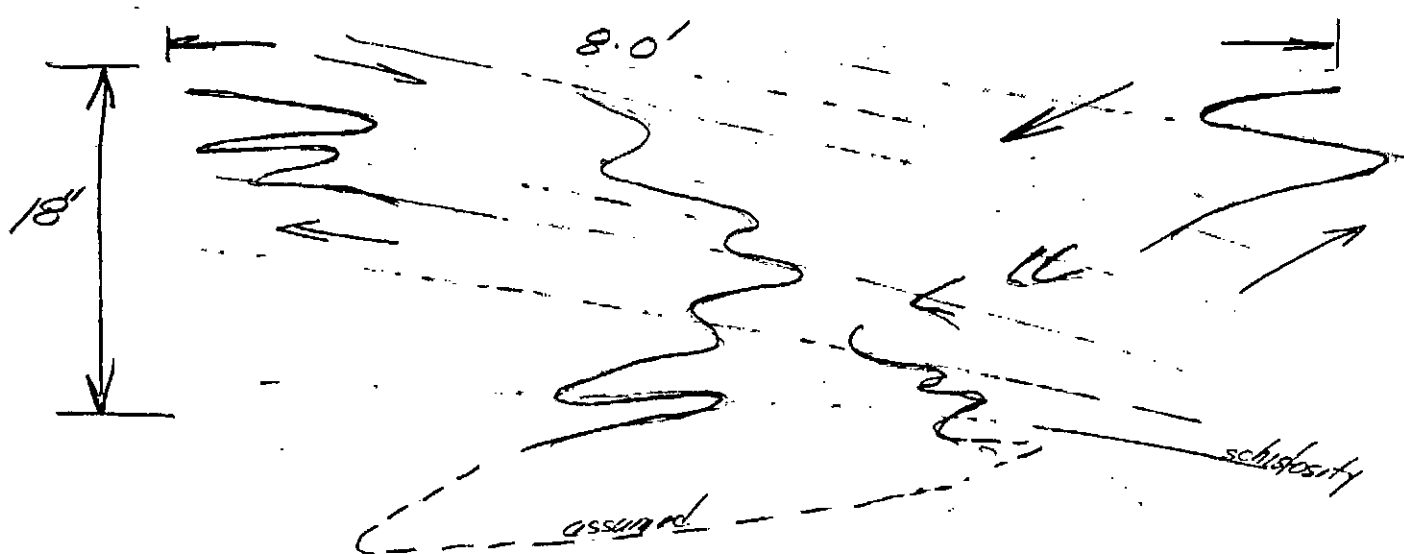
8.5 on NW side

Going NW along claim line close to line B, & ~~before~~  
 at line 96, 28+00S - dark gray graphitic semi-sch  
 - NW of line 96 - on loc'n line more flat-chty phyllite,  
 underlying graph-sch.

Sept 28<sup>th</sup>

From 53+50 on Line C - (note, this traverse to line C - may be incorrectly  
 paced)

500' - S20°W to O.C. - schistose g. stone - probably a tallicaceous  
 house (DY-XI)



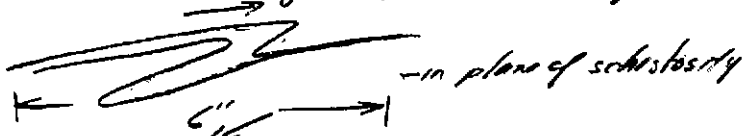
trace of bedding, looking easterly at outcrop

sch: 050/8°SE

plunged minor folds 120° @ approx 10-15°

- note suggestion of  $\Omega$ -type fold crests & troughs (assumed)

- g.t. 3 swaths on O.C. a few feet northward

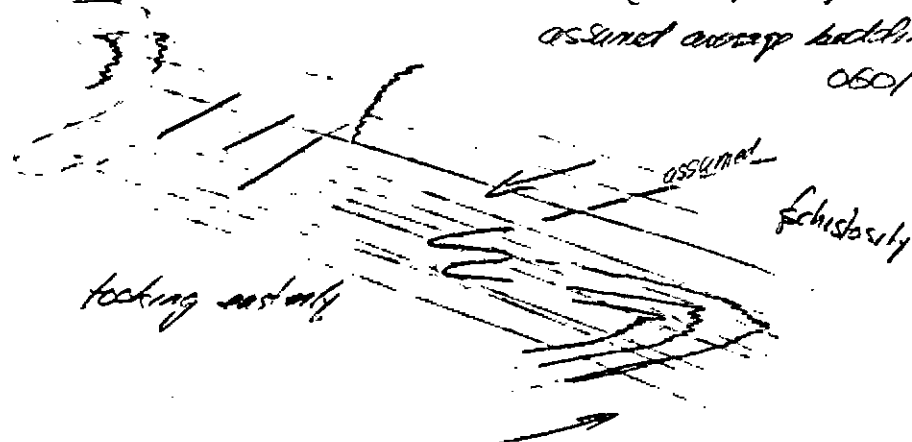


400' S20°W of Line C - 53+50 - (may be incorrectly located)

tallicaceous greenstone -

sch (115°/14S)

assumed average bedding plane  
 050/25°N ??



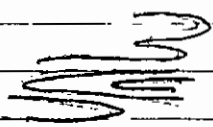
100' S20W of 53+50 on Line C. (may be incorrectly located)

- dark gray sericite schist 075°/10S - lineations appear strike slip appear strike slip.

From 54+00 N on Line C - traversed NE & hit Line 56 at 1000 N of Line C. - @ this point, (50' NW) o.c. limy-cherty phyllite

schist - 325°/20 SW  
bedding - highly <sup>crumpled</sup> ~~crumpled~~ → bedding type structure

- possible bedding 015°/15W ?

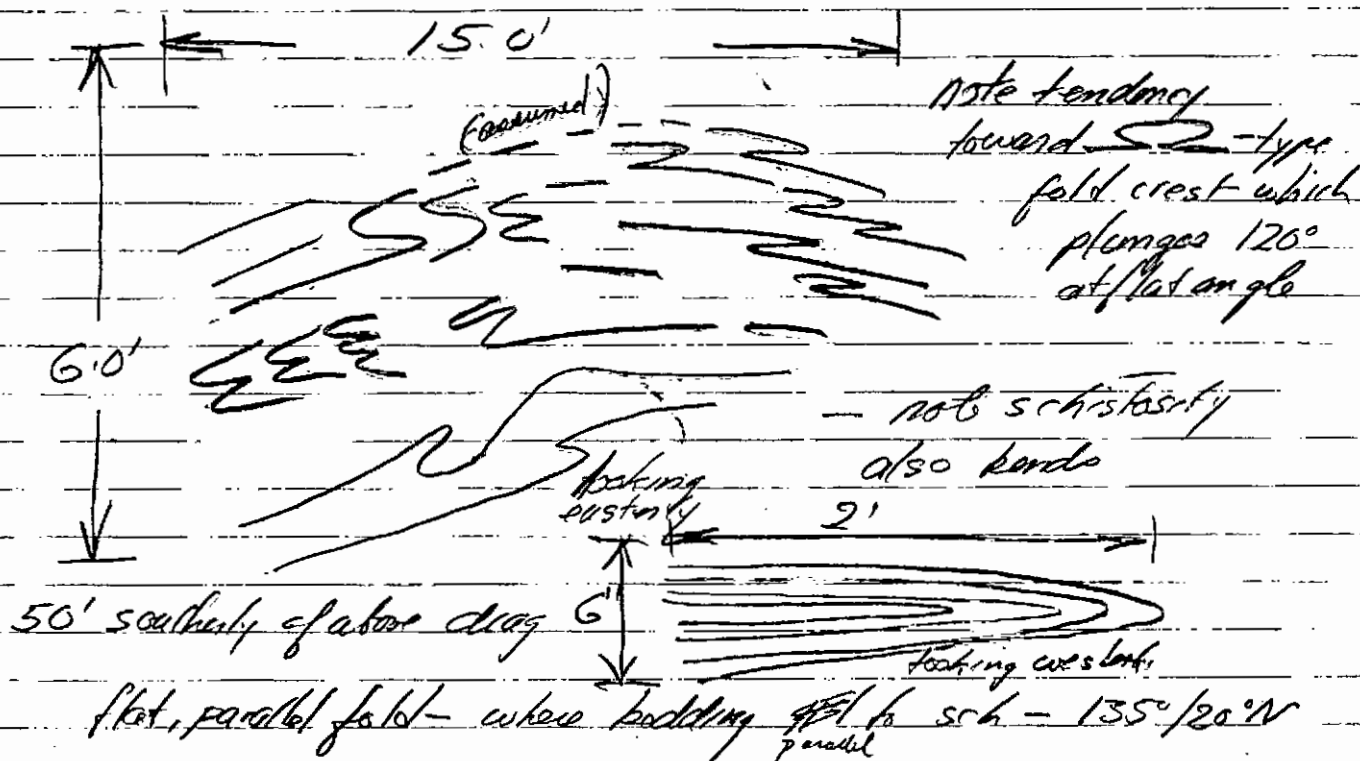


Line 60 - (approx) → SW between Line D & C

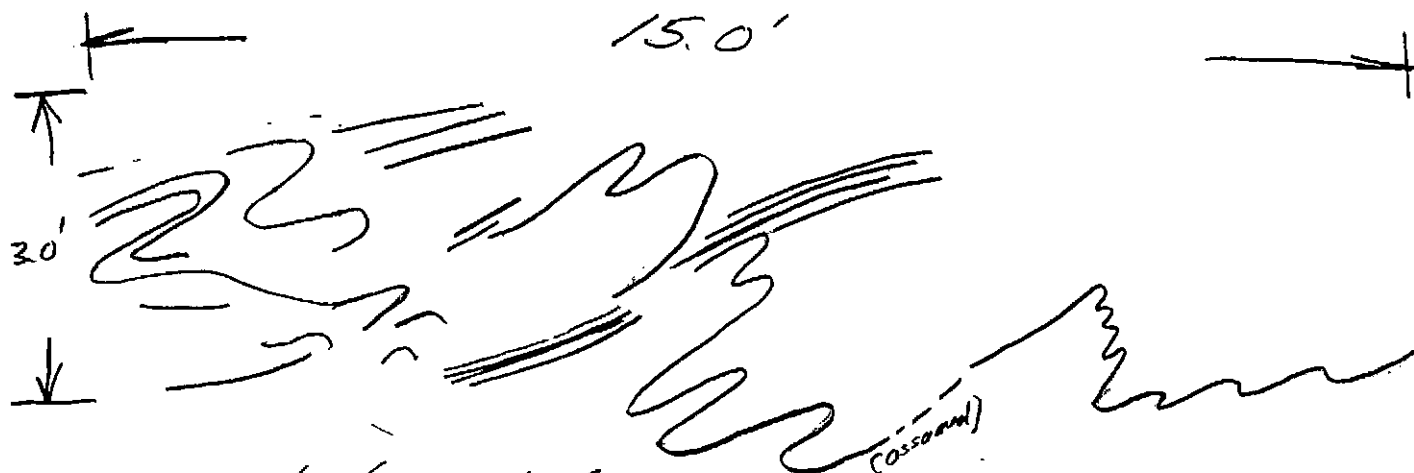
700' - limy, <sup>cherty</sup> phyllite - flatish schist towards south

1100' - <sup>foliated</sup> o.c. banded - crumpled <sup>cherty</sup> phyllite.

- 150' SE - o.c. shows folding



- 100' south of from the S2 - diagram - o.c. ~~from~~  
~~page for diag~~ - approx 1200' NE of line C



looking easterly, chty, lmy, phyllite, with deformable  
(silt stone??) or 'tuff'?? lence.

bedding  $155^\circ/20^\circ E$   
 $175^\circ/15^\circ E$

plunge of fold axis  $100^\circ/25^\circ E$   
schistosity  $090/20^\circ N$

note: that fold axis trend ~~is~~ to schistosity trend  
parallel

Hit BL-C @ 59100

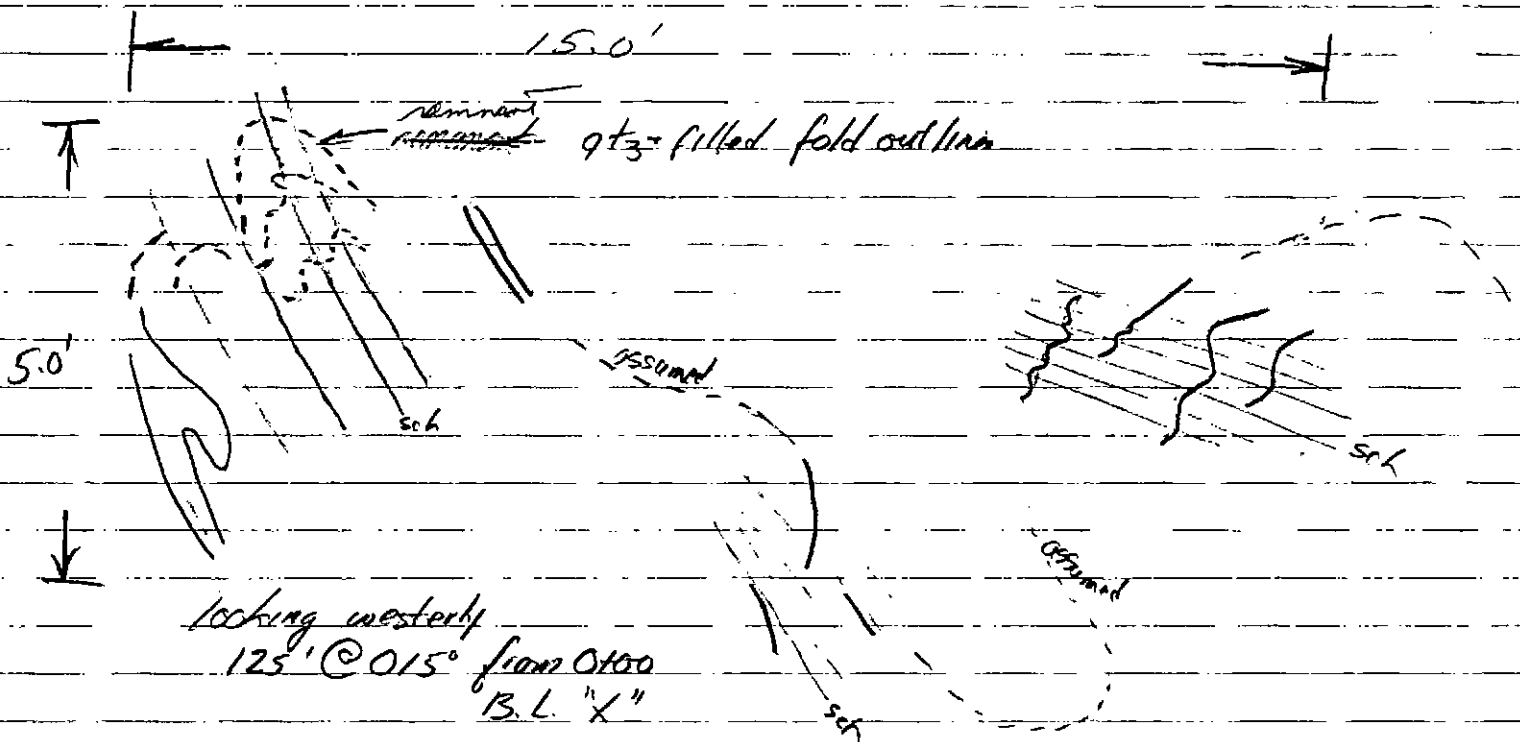
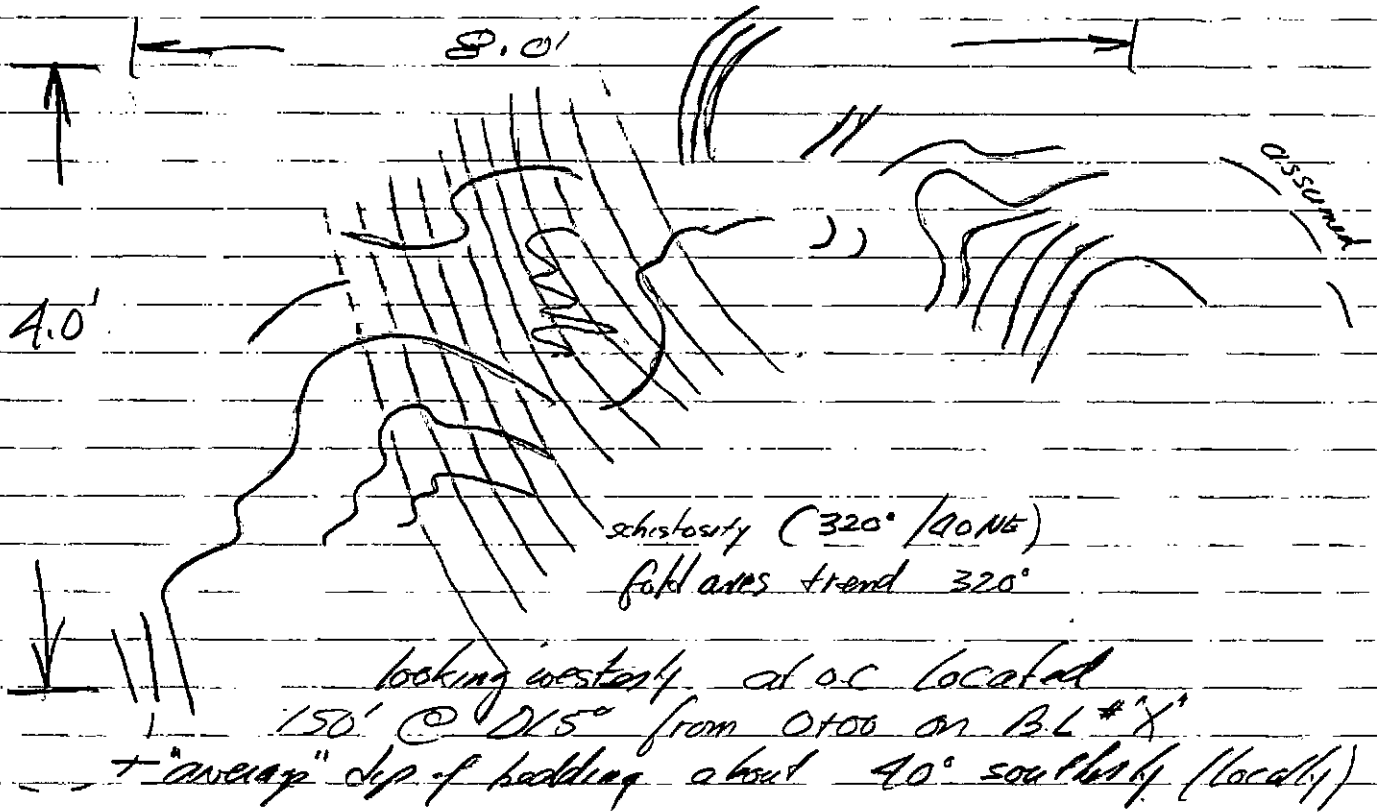
Went south of C-line and saw o.c. at approx 400'  
SW of BL-C, - ~~south~~ <sup>perpendicular</sup> from 64100 - walked  
due easterly and hit C-line at 68100E. O.C  
south of 64100 (400' south - schistose gneiss 290°/16°N

Working from X-Line (cut for gravity survey)

335° - 50' from 0100, slightly ~~steep~~ <sup>shear</sup> g. stone 290°/75°N

- NE of above OC, ~~chty~~ <sup>chty</sup> phyllite, bedding 235°/10°SE

- @ 015° - 125' from 0100, chty phyllite

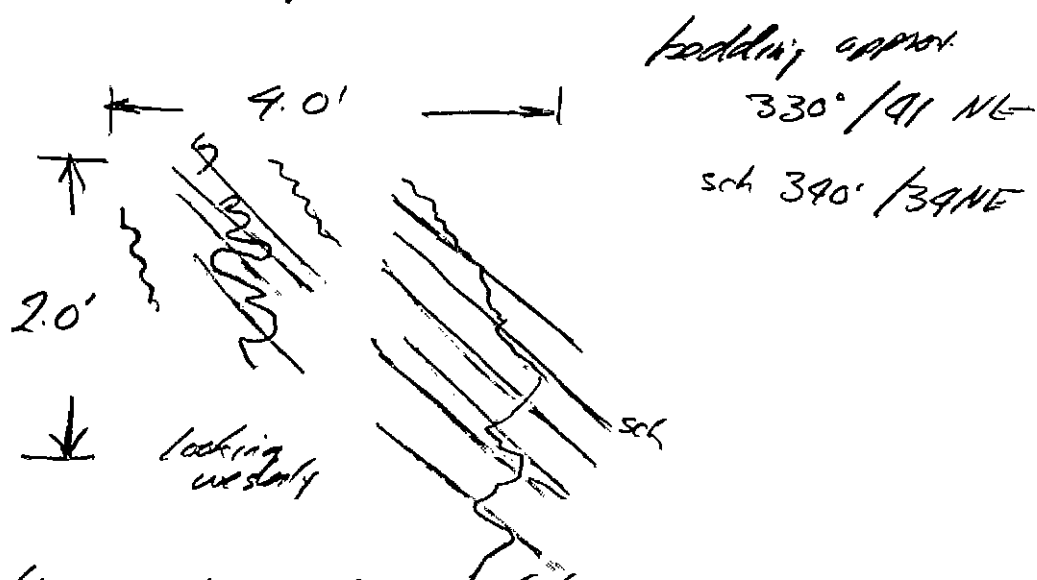


(120)

3+00 - 348' for 250' - serpentized greenstone  
for 20' area - o.c. trends 225° toward  
previously described folded cherty nr. The intervening  
exposure is greenstone which is sheared on its  
S.W. side. the cherty rock appears  
under the g. stone locally - contact 320°/mod. to  
steep nr.

1+90' on "X" line

o.c. - seri - ch! chty sch



2+50' - limy chty 35' N of line striking 330°

2+60' - on line g. stone

3+00 - foliated g. stn 120°/72°N  
- 50' south - g. stone

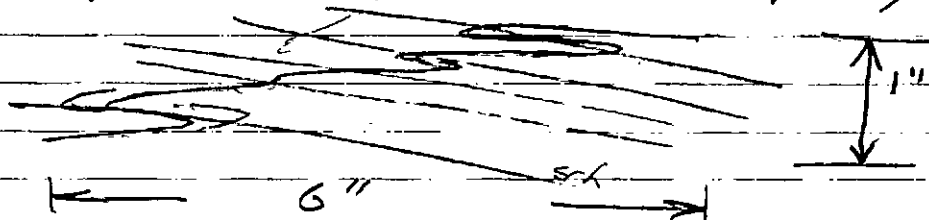
3+50 - 15' S of line, g. stone becomes coarse grained  
- ch! serp - amphibol & feldspar - no noticeable  
effect on compass needle DY XII  
- o.c. occurs sporadically up to 5+40, south  
of B.C. 'X'

Dy Geol.

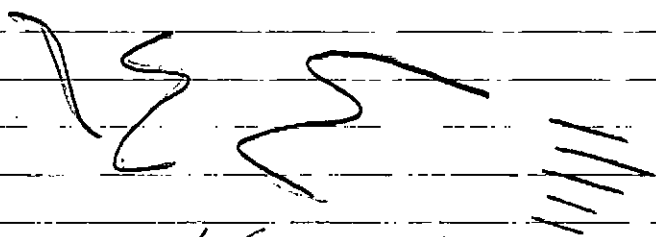
(13)

Hole dug by J. Brock @ 79150 + 100' south of BL-C  
4' overburden - showed serpentinitized g/s - showing  
approx 325°/ST - NW. No compass north deflection  
noted in field. DY XIII

From "X" 3400, long ~~30~~ 250' - 1500' o.c -  
chty phyllite 005°/12E - some folding noted



1800' - mass g stone  
- Contact area between chty rx + g stone 400'  
to the NW - where chty rx folded over  
contact + appears to lie on top of the g stone



chty bedding? 285°/25°E

looking westerly  
- contact between g stone + chty rx, trends  
about 310° for several hundred feet then  
is lost or covered over to NW

Sept 29th -

72400 on line C - long 260° for about 200' to o.c  
lmy-chty phyllite overlying the gneiss. Contact between the  
two rocks trends 230° + the g stone is to the south  
east -

- From 72400 on C, travelled back + forth NE of line C  
+ hit line 90 @ 7400 N - no o.c noted on traverse

(14)

0400

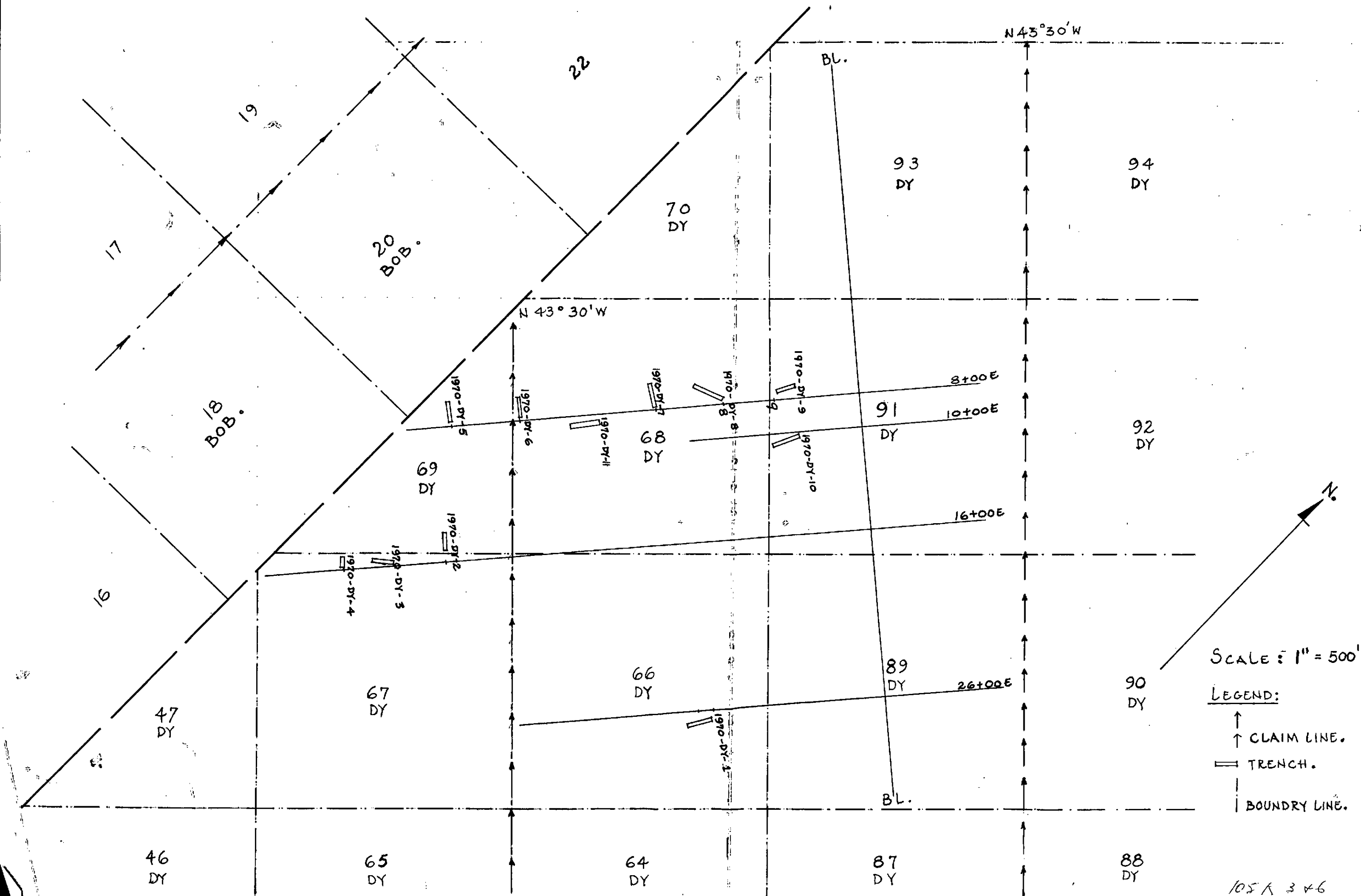
BL - 'X'

260° - 350' away from o.c. g. stone  
limy chert contact trending ~~345°~~ 315°/40N  
(g. stone below)

- the latter o.c. is about 300' east of the  
o.c. mapped previously in area of  
graphitic - sericite sch.

m

2



105A 3 x 6