

Dilham Ghoo - McArthur

high overcast

-1000

05/08/00

sto w Anna

ramp near Sideslip Mintile
13 caribou near Grey Hunter Peak

sto at meta sed / intr contact
west of camp.

006266

00DH-52 Intrusion near contact
w meta sed's pendant

Grey weathering, blocky, ^{equiv} m.s.
qtz-fspar - biot - musc - (chl?) - hbl
strongly jointed re trend E-W
some mm thin qtz veins
on joint planes. Qtz smoky.

loc orange rusty spots give
Rx mottled look. break down
of bot?

samples

→ a rep of intr. (hand sample?)

→ b rusty spots in intr.

→ c assay qtz float in saddle
white sub-crystalline qtz w Fe ox de
spots + X-rays

some melanos rounded
xenos...

loc qtz coarser than rest
seriate texture

OODA-53

pelitic - porphyroblastic hornfels
loc banded loc w dk sup
ilots (qtz-biot-rd) ^{mm} up to
cm sized - rep samples

in s/c
b - sample assay ^{fs +} 15 qtz musc
(fspar) vein in banded meta sed
1-8 cm thick. some dk
reddish qtz.

OODA-54

frail of white weathering
float of fine felsic dyke
(aplite) - loc pegmatite
qtz (~~to~~ white + smoky)
w fs par + musc.
trend of float on top
of ridge $\approx 090^\circ$ 1-2m
wide

469524 E

7001104 N

→ assay

OODA 55

float on slope near top
of ridge.

U grey qtz + tourmaline
sprays on pelitic hfls.

→ sample assay a
→ see next page

OODA-56

469706 E

7001231 N

rusty weath float + o/c. - photo
banded + spotted hfls
float of calc-silicate hfls
w chlorite photo

chl or greenish musc / se ^{rusty}
remobilized on fractures
w twin faces

area of fract + shearing
yellowish coating in
addition to us).
hfls loc. look
clay-altered
slick plans

samples all float
assay

→ a f.s. granular hfls cut
by ~~qtz veins~~ series of
if + x-cutting qtz veins.
qtz is granular, loc wsty
weath w dk manganese-
Fe minerals.

→ b coarser gray + clear
qtz. small rep.

→ c rusty + (clay) altered

spotted (□) + banded hfls
some vuggy texture w
Fe-ox.

→ SS b. in float at
top of ridge
granular qtz min w
yellowish clay-ait pods
(loc. fibrous) w dk
spots + smears (pyralite?)

0001H-56d
float

thin V grey qtz, angular fabric
w tourmaline xstls

0001H-57

bull qtz + black tourmaline
pods, needles mm - 5 mm long
in # + lumen? all hfls

470028E

7001203N

OODH-58

loose \square , grey f.g. matrix
then siliceous Rx silt -
sandstone w thin qtz
veining, brgy weathering
Hyland Group (?) not
R/R

OODH-59 further down back into
 \square Rx, at first not altered
(turning \square ?) then
altered - greenish \square in
pale matrix:

@ ~ 6000'
Rx highly oxidized on
fracture planes; still no
sulphides.

as walk downhill

loc \square get draped, define fabric.
" Rx get real dark - w? \square ?

Anno find float of greenish
sandstone w 5-10% diss po
1% diss sp.

S? 140/79

LF or molluscs: 142/116
dk \square phyllite

in saddle: qtz Luccia

OODH-61. Qtz monz? o/c. tower
jointing 341/169
qtz - Ksp - musc vein - felsic
dyke - flinty fracture
2-4 cm

472300E

7001425

-> assay add to map

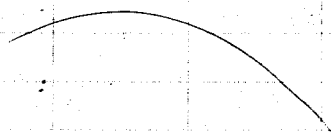
OODH-62

composite sample of f.g. phyllite
qtz - Ksp - musc vein in float

00DH-63

float. grey qtz vein w
(aplite selvage?)
2-1 cm thick.

472 701E
70 00501N.



(Arad)

Hawling AM
1/2 day

5/08/00

Willie shows up.

s/o on ridge. Not camp
back for carbonate unit

00DH-64

rusty, mottled. w/ls. banded,
spotted

thin seam, very rusty.
graphite w/ selvage?

→ sample.

473905
7001071N

(Qtz chl veins
in float.
Vx crystalline chl qtz from

chipper hop to I
472028E, 7002140N.

001A-65
area of jointed I w
rusty soil
mostly float @ top of ridge
rusty weathering qtz porphyritic,
pink fsp (on weath. surf),
biot. (qtz manz?).
altered (yellowish-rusty - greenish)
w loc thin qtz (biot) veins

→ a. greenish orange I
assay w 4% on surface
of (almost all) eroded
qtz vein. some ^{diss.} py
rusts in I.

→ b altered I w
assay roughly waxy 2 cm
wide clear + white
qtz vein.

→ c altered I
assay w 4% vein as above
some punky grey (slightly-altered)
beds.

→ d bleached I w
assay // qtz veins
(ch) stringers).
w 2-5% diss py rusts
in ^{sericitized} in ^{the} , also in
in stringers

jointing $\approx 130^\circ$

66-

loc 5

Grey - cold windy
post hot springs.

Aug 06/00

s/o by will
at base of 1st ridge - N side
check out rusty / white Rx.

in float at base: Lavender
grey granular limestone
amongst float of rusty, pelt. hfls
+ spotted hfls

ODDH 67. ^{screwy} 469996E ~~7001991 N~~
4800' float of garnet loc / dips rich
clam, wags w crystalline gnt-cc
photo

— (a) disc no < 1%, tr. sp., ^{cs banded}
patches of epidote? ^{gnt-qtz-cc}
also long prismatic minerals ^{under gnt?}
(smoky qtz?). Fine tourm? needles
in cc

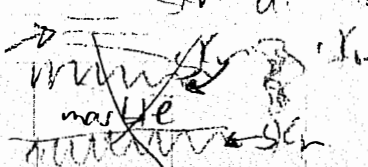
(b) finer grained diopside? - gnt-cc
w glass po + tr. 1-2%.
po ~~and~~ cooling slate?
latter 15-20cm band of skn
1/kw calc-silicate
at top of boulder. band.

(c) grey limestone loc w
d.s. rextalized cc
veinlets - rep.

(d) banded gnt-fs epidote.
rep.

biot-chl-qtz hfls loc II.

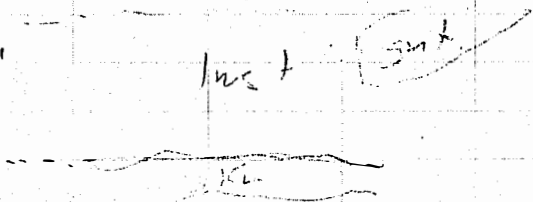
ODDH-68
5200' in float of spotted hfls.
Vg-tourm needles 0.5-4cm
long, w f.s. tourm
in selvage of Rx / replace
remnant
→ assay

lower limestone, garnet - diopside?
skn at top and bottom
rati silic → 

↘ S420 00D11-69
limestone pod or bed, $\approx 2.5m$ ^{thick}
rimmed 40cm \rightarrow 1.5m
garnet drops - re-qtz Kavn

at top of limestone: skarny
material loc. qtz-rich.
at bottom: re-qtz ^(cont)-rich zone
rep sample for bumping

one skarn band // limestone
contact at base
massive garnet ^{drops} at side
at top



→ a drops (gnt) qtz skarn
no diss po 1% (up. b 2?)
+ dr op.

→ b bleached w qtz
cc, test for w

→ c mafic skin, w rather
sulphide pods?

skin grain size + thickness irregular
pinch + swell along so.

where qtz, coarse grain size
vs? not very mineralized

ratio drops/gnt varies but
no obvious zoning

zone followed along strike or
20-30m

00D11-70

cherty % of grey limestone w
0.5m \rightarrow 1.5m rusty interbeds.
these rusty horizons are rusty
bfls, loc containing skarn horizons
but not all the time photos.

S.l.s. middle limestone
Knobs w rusty band @ top
+ bottom

as go up hill, discontinuous
limestone for $\approx 400'$ west
but laterally confined to
that knob.

COLD $< 0^{\circ}\text{C}$
clear.

Aug 7 2000

move to DME ridge.
Anna' trav from N to South

1 m slo on DME south of
ramp.

OODH-71. 478591, 6991895N
thick bedded sandstone to silt
grey white weat heavy glassy,
very clean qtz sandstone, loc
w larger qtz grains. P.H.?
prominent fabric 313177
unclear if so.

[184/65 So? find chert & glass
290/65 rebar chips
w ok for DME
very clean though, glassy
Fe ox coatings + loc prev.
alt @ 4455'

00DH-72

478604E
699P997N

in sandstone - r. eps
zone of qtz veining, later
D, heavy w. drusy qtz in
wgs. ^{matrix} to veining
→ sample assay

main cont. trends, NS
" E-W

pinns
as in trees.
alpine fir? smells nice

110/30
w. 280/80

00 DH-73

478541 6992147N

@ saddle between 2 knobs, sparse
of, rx is dark.

@ str. flk. top gray weathering
sandstone - r. qtz. more "normal"

for DME.
perhaps 1st knob bleached from
bleaching?

looking SE

074/32

So in graywacke.
104/116 in shales interbeds

00DH-74

342/63 So

00DH-75

478533E, 6992407N

rusty limonitic qtz breccia w
yellow clayey (jarositic?) patches

→ assay
irregular pod. trends ~ N/S
rounded to $\frac{1}{2}$ qtz fr in
wet, lim. matrix

00DH-76

S, 160/60

same rusty breccia, 1-2 in matrix
DME rqt is altered near
breccia masses to
trends N/S?

00DH-77

waxy tattered (clay) epsg.

so from str 73-77:

ls. swacke - epsg. // w
liner ground clastic + shales,
shales recessive, form sandstns.

00DH-78

1st chert, recessive, in saddle
black.

00DH-79

composite float @ ~4500'
reddish weathering hematized
epsg. loc w thin qtz
veining.

00DH-80

so 100/26 looks like dip slope.
very coarse epsg. // w
liner clastics.

S? 315/116

looks like dip slope.

S? 332/116

@ 5355'

00DH-81 float

epsg. w rusty matrix/
- ossa, cement.

00DH-82 ~~soil sample~~

~~black soil @ contact~~

~~between epsg +~~

~~scrap since~~

~~ss -> split on other side~~

00DH-82 qtz sandstone w

dk grey matrix. Eorn. Gp.

in saddle: shale/siltstn/sandstone

08/08/00

nice slow morning, late start, DMF ridge.

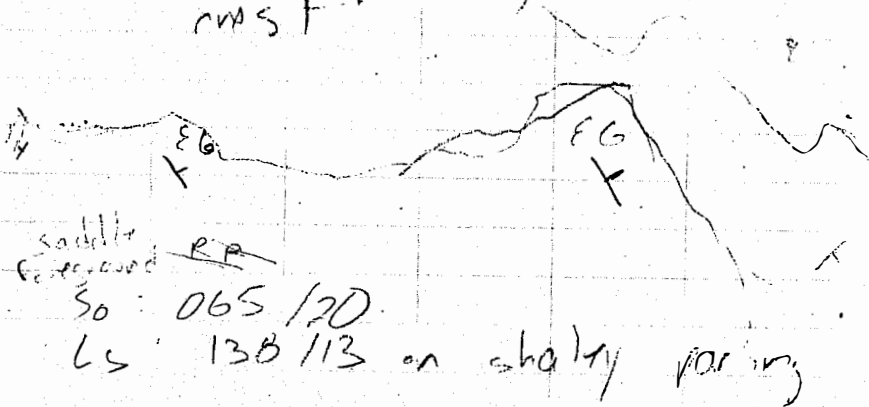
OODH-83

478925E
6994930N

black chert, also grey. RR. v.
So steepens towards E.
to hollow.

looking south.

saddle probably antiformal crest



OODH-84

1179096E

6994781N

black sandstone on ridge
E or RR? RR? rep.

s.l.s. chert (black) // shales

OODH-85

479152E, 6994695N

S.L.S. black blue sandstone, shale + chert.

T.S. thin bedded. ~~laminated~~ dk sandstone w // laminated siltstone shale, wavy in ss. cur & contact fault?

sh exaggerated!

So? 112/86

on top of Knob E of -82
most of Knob is ss -> rep!

00DH-86 // sil shales + cherts
f → m bedded (w/ in seq of
sil. clastics)

So 135/34

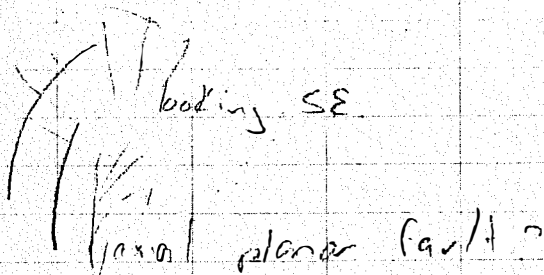
yellow weathering.

479437E, 6994548N

since base of knob. cherts.

00 DH-87

Li. So/6. 094/50



tan weathering greyish chert
steep bedding - nose of fold
photos. Lamination changes
probably weathered A.P.

So 110/144 in cherts
just before saddle
before: gtz-injected chert.

00DH-88 479862E, 6994772N

tan weathering sandstone (→
wacke) mostly rounded gtz.
gtz veining up to stockwork
horizon texture - photos

a → assay sample

→ sample b, rep of litho.

note: just after saddle
limestone in float

00DH-89 480119 6994819N

So 085/23

pinkish-wagon-grey weathering
chert, 4-5 cm thick
forming edge of steep knob
RR

S.L.S. f. tan → grey weath
gtzite

limestone walk back up.

MODII-90 Folded dk grey limestone

SAP 297/80.

LF 137/26

lowest %

So overall 115/80

So 356/47

last
of
before
stable.

120/30

phyllite between 2 limestones
SAP 324/65

looking ESE

important

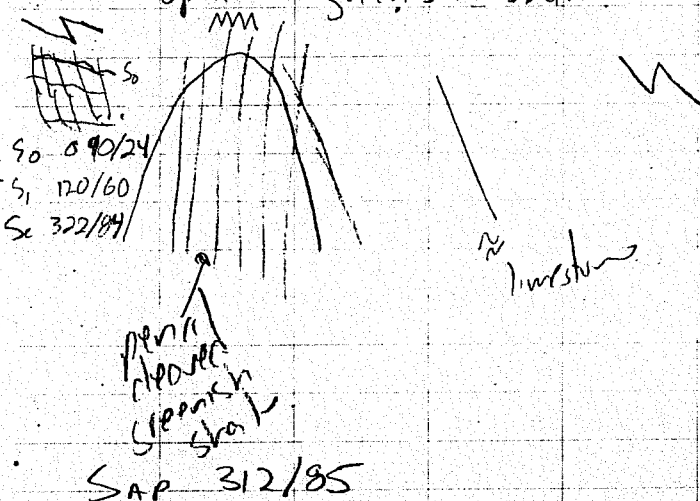
overall ?

@ drop off point

480254

6996230

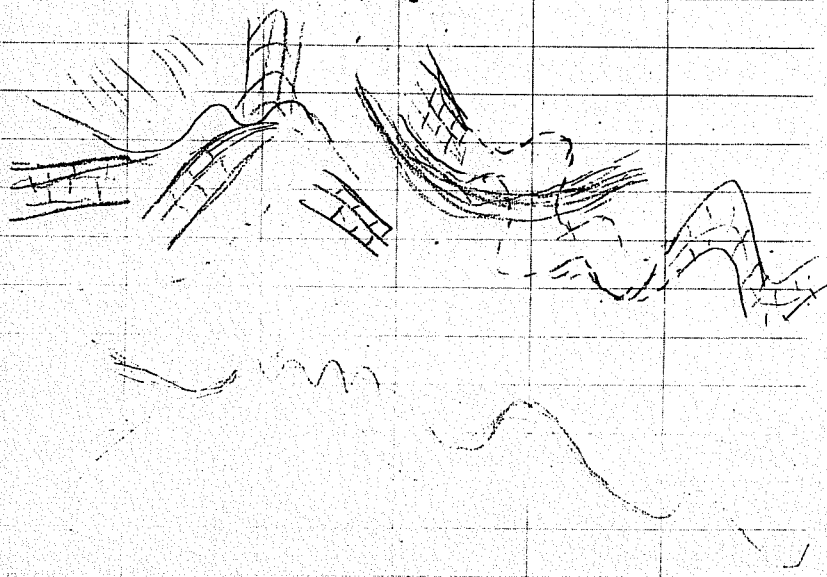
uphill: greenish shale



SAP 312/85



either 2 bands or highly folded limestone



OODH-91

480309, 6995890

So 108/43

chert o/c
since saddle chert flat,

OODH-92

steep fm (RR)

So? 055/22

S, 130/38

orange weather, greenish shale w wispy lam, (looking S) (worm burrows) + siltstone ill's rep's fossils?

480308E

6995742 W

OODH-93

So 25.5/62

r.l. laminated siltstone (ch. black) # bands

ESB 312/39^{CL}

s.l.s. o/c of gray limestone in gully

A few 10's m up the hill: 50 ft. lins:

088/45

up the hill
mostly creasy looking green-grey
black phyllite, strongly foliated
w. calcite veins
could be anything
foln still dips towards south.

high overcast, cool
s/o on Friesen

09/08/00.

Anna on possible limestone W of range I

OODH-94

468469E, 6998139N

in intrusion

Friesen plotted on cirque in I
set set out w of cirque
walk the talus towards meta
seals.

sample → 94 rep sample
qtz plag biot + hbl - ?
long prismatic black
mineral (tarn?)

sample 94b for weathering
→ assay. f.s. qtz-musc-plag
w interstitial py + lim
clots.

00 DH-95

in float in bowl.

tan rusty, I ~~is~~ limonitized
w/ lim-py clots ^{veins}
of Fe alt throughout &
(liesegang).

→ assay

00 DH-96

at head of bowl, in
pendant

→ sample of glassy qtz vein
metaseds

I

near dyke contact
in zone of orange
rusty soil. - assay.

Beautiful day
mobs from Frances LK.
minfile 098 camp

11/08/00
Trevor from
Helidynamics

00 DH-97

496906 E

08 38.770 N

178/16

in %:

wavy foln 130/83, stretched
Vg // S pinch + swell.

qtz-biot schist, biot purplish
infat

some calc-sile hfls, faint
banding, w pale garnets?

(and dips of scapolite?
tabular + acicular prisms,
diss p. < 1%.

also qtz-fspar + biot permat. has
large ^{prismatic} biot flakes, also altered
biot or muscovite, ⊥ to

foln. Podium N 065/22
other appr N trending striking
dips E, dips varies 50°-80°
10-40cm thick

f-mg felsic intrusive
w light pink garnets? in ^{hydro} ^{cratic} ^{path}
qtz-fspar-biot

seen in float qtz vein w
twinn. ? seam

samples

- a calc-silic ^{if} w qtz -
vein? vein, c 1% py diss ⁱⁿ ^{vein}
- b pegmatite qtz-fspar-biot
- c f-mg intr place, dk spots
- d brecciated + (clay) altered ^{yellow} qtz vein
some biot, material
- e rep of qtz-biot schist

samples all float, in upper
basal

some sl. ends, kern textures?

in f.g. in h
joint planes / slicks
193/vein

00DH98

in o/c = qtz-fspar vein 16 to
jointing in f.g. intrusive
laterally continuous
190/vein.

S.L.S.

float of greenish calc silic skin /
ends, kern w 1% diss
po. dropped sample down
cliff.

~~float~~

00DH.99

496875 E

6839051 N

contact w qtz-biot schist

001H-100

496836, 6839061N

SCL. 128/79

qtz-biot schist w/ limestone
loc. stony layer
main limestone skarn
≈ 3 m wide. photos

at center large blobby
garnets in bands in
white + light green matrix.
→ a sample

b in c/c ~~near~~ adj. to
skarn: calc-silic. or siliceous
skarn w/ diss p/ + dK
mineral? (1-2%)

→ a sample

→ correct for a' least
5m down the slope in c/c

001H-101

@ 5670

at edge
laminated skarn
garnet at top
in small fault
≈ 3m wide

@ contact w/ small felsic
dyke (1-2m)
on other side of dyke
calc-silic → skarn, greenish
cut by thin veins
containing p/ (total < 1%)
→ assay

different w/ same limestone

looks like several dykes - 2m
wide w/ associated qtz veins.

samples @ 5650'

coming down N side
more limestone 15m to jelly

@ 5220 lower Vape ^{lava} to sulph
→ sample 001H-102
to print garnets
≈ 150m
assay / no rep.

Missing rain
all night till morning.
off fan during day.

12/08/00

keep in
check out bowl at ~~2~~ PM. make that 4 PM

rusty, meloseds / hfls out
by dyke swarm

rough orientation \approx 150 / south dip
deep to mod

in float, just below rx pile +
intr. etc;

OADH-103

(a) white weathering fspar - qtz - garnet
musc. ^{br} dyke, f to c.s (for fspar).
w. diss. p. \approx 21% in matrix
+ in large fspar grains

→ asso.
loc graphic qtz / fspar texture
in large fspar.

dk grey - green qtz (?) in
lower ground part.

⑥

497 074 E

68 39 653 N.

in float, 40m uphill from (a).
rusty weath. qtz-cc-act
skarn, w. rextall. limestone
band. diss (py? po?) 1%
in yellow-green matrix
part. (ox?) assay

@ 4915'

ODH-104

L. low Lig
rx pit.

boulder of green-ton weathering,
green, f.g. dyke (?). very hard,
trachoidal fracture w. tr. diss
py. found small clear laths
- (py? limestone? non-mat
limestone?) - sample

@ 5125'

ODH-105

in float.

marble breccia, rusty weathering,
angular to sub-rounded marble
fx in carb. matrix which
is rusty weath (white fresh-
ankerite?)
diss sulph (py + ?) 1-2%
- assay

in o/c

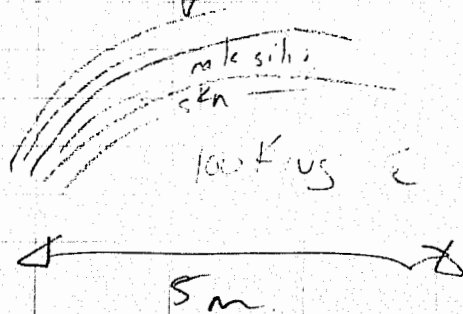
ODH-106

photo

LEA: 117/00

re-drops skarn + calc-silic + pelitic
kfs laths 3-15 cm thick
in gentle fold

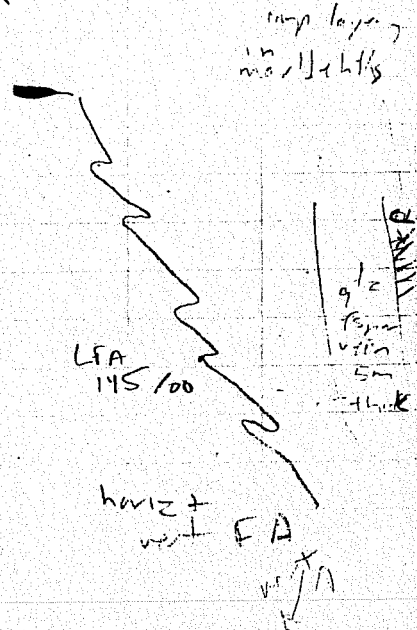
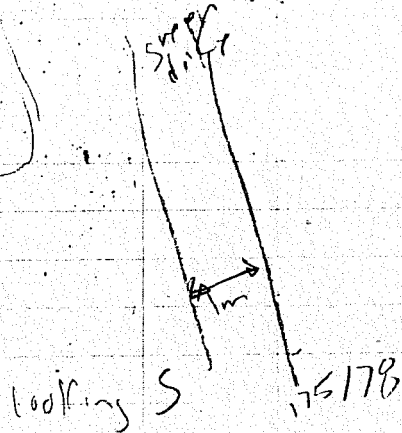
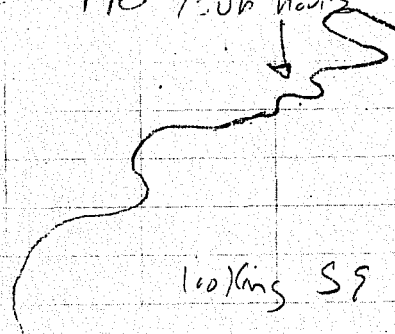
pelitic schistose laths



note re - dips str very chalky
 trem? wallost?
 in float at -106 faint radiating
 crystals.

few m's up hill
 rough skarn bands in
 folds ~~turns at 146~~

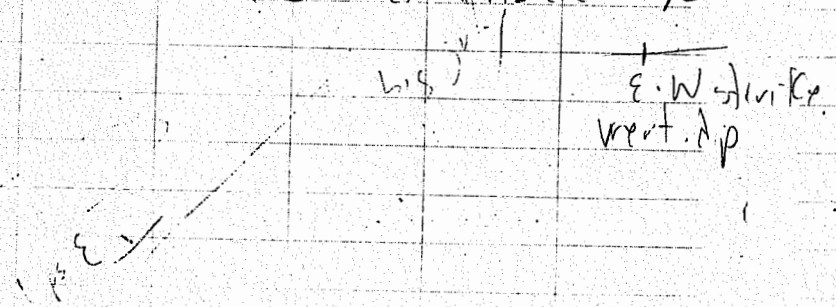
330/60 - overall so.
 LFA 140 / sub horiz



interbedded summary
 pelitic, calc silicate hornfels and
 marble, is folded, cut by f.s.
 Qtz-plag-biot quartz monzonite
 dykes, m - 10's m scale
 whole package cut by ^{disconformity} f.s.
 fsp - biot & large cokes vein by f.s.
 from f.s. to pegmatite texture

(pelitic hills contain Qtz veins // foliation
 phreatic folds)

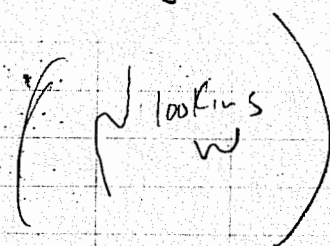
Calcareous bands. recrystallized to



cc + garnet, drops?, lens?
 Qtz (check),

Skarn mineralogy forms
 near Qtz-fspar veins, or
 Qtz monz dykes.

sulphides sparse. some ass
 w mafic skarning, ass w
 Qtz related to Qtz-fspar-biot
 veins.



garnet in veins end skarning?

f.s. green interm. comp dykes
 x-rots whole package.

• cold-snow

13/08/00

• 00 DH-107

ridge across from Anderson ck

So 080/77

ck in limestone mostly

@ contact w 1-2m^{ms} qtz monz dyke

Move to Maxi!

s/o in ck

camp at Lake - cave rack

Anna takes notes

stn ~~AF-100~~ DH-107

491479E

6835605N

gray phyllite - sericite - schist
etc in ck is dip slope
w renulation.

renul.

DH-108
~~AF-101~~ at head of canyon
491227E. 6835503N

main foln 260/30.

Lunkle 314/17

jointing. 256/ve.

gray sericite phyllite
likely schistose

on other side of canyon
foln ~ 242/47 - o eye ball
qtz veins 2-15 cm - boudinaged?

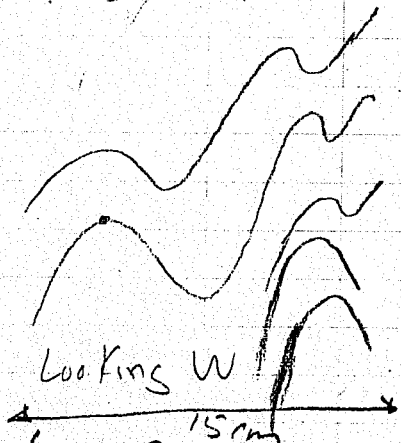
Anna takes her own
measurements.

photos a bit downstream from
stn, looking across cr @
gray phyll w qtz veins
boudins + stretched folds.

08353279

OODH-109

strong foln is A.P. cleavage



loc thinned
limbs +
thickened
folds

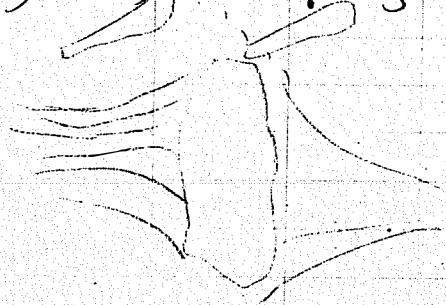
SAP: 258/28
LFA 296/35

= crinkled lineation
inters. S/S₁

jointing \perp to AP : 018/56

bedding

stepped structure?
carb growing disrupting bedding



OODH-110

491065E

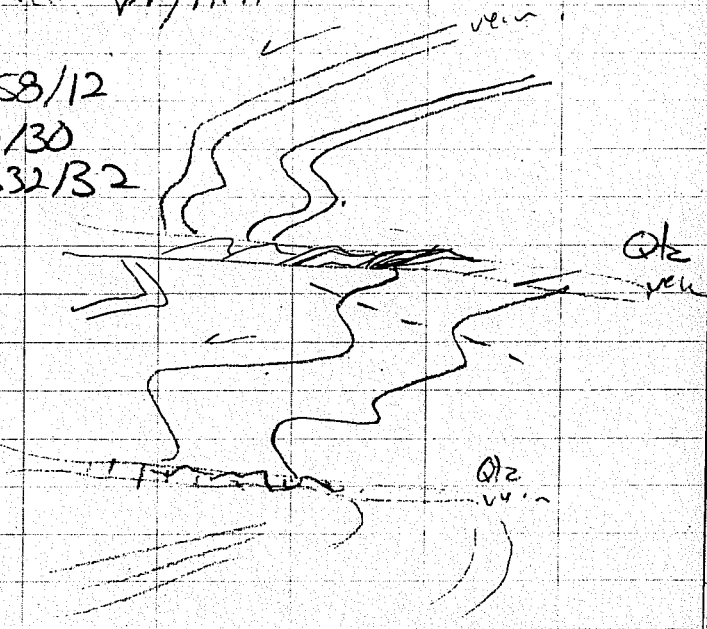
6835319N

in lead in rd

one gully bed, contact unclear
below.

folded phyllite

LFA 058/12
S 248/30
SAP 332/32



looking N

CODH-111

in o/c

→ a

assay

Ug

250/53

10-15 cm

white lull qtz w diss

py c1% ~ 11 foln.

folded - py in selvage +
along rusty fractures.

trace. galena

→ b in float

thin qtz seam ~ 2 on

w 10% rusty py cubes + tabs,

cut by thinner Ug.