

896458

WJM

79-2

nw
wade

FIELD BOOK

CAT. NO. S.E. 515/8674

norman wade company limited



Nicola Project
CONTENTS

W.J. McMillan

PAGE NO.	JOB LOCATION	DATE
Plotted		
1	Chu Chua Property Visit *	28/6/79
5	Cinderella Area 92I/2F	4/7/79
15	Chatko-Boy Area ^{east of road} 92I/2B ^	5/7/79
24 ✓ 25	Pit west of Hwy 5 near Hamilton Lake Turnoff 92I/2F SSE of Morgan Lake	" 6/7/79
✓ 33	Mapping Logging road 92I/2G	8/7/79
✓ 38	92I/2F + 2G Traverse from Flume Road / Powerline Ln.	11/7/79
✓ 47	Jurassic rocks 92I/2G SW corner	12/7/79
✓ 55	Chert Pebble Conglomerate 92I/2G	13/7/79
61	Chatko - Boy in Godey Creek	15/7/79
*	notes on access to CK property on p. 4	

Visit Chu Chua Property with Nets
 Vollo (Grahan McLaren, Paul Schuzama)
 Cominco personnel.

E1 1800 m.

CC28 west wall followed dacite local
 and. Pale gray lots of pyrroho.

Sulphide - massive pyrite $1\frac{1}{2}$ - 2% Cu
 vfg Zn $\frac{1}{2}$ %
 no pyrroho

(~8 Boxes) py - cpy \rightarrow py cpy sphal \rightarrow
 py cpy magnetite \rightarrow

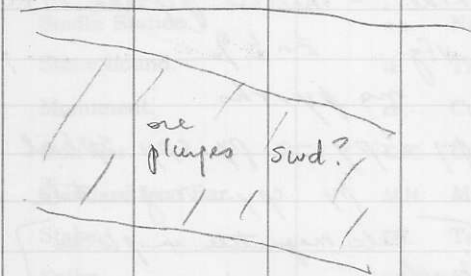
Talc magnetite in places
 little or no banding

Contact sl. more altered

~~FW~~ East side - FW carbonate
 also same rock

JOB

DATEPAGE



N 5 Section



PARTY CHIEF

WEATHER

CC25 ^{west side}
 FW pillowed dacite
 "ore" zone { poor grade lots of talc + mag
 massive mag-py

FW beat up altered veined
 carb + chl + ?

CC24 ~ 270 White fq, - massive to
 frag "rhyolite" - the sulphide
 zone is in + sometimes in place
 of the rhyolite.

Bedding N-S tops west?

~1000m of core drilled this year.

The zone is very predictable.

Crossed down the hill - xptd?

Zone vertical

Several holes over 1000'

JOB

DATE ~~4/7/78~~ PAGE 3

omitted by accident

PARTY CHIEF

WEATHER



VL9 Vancouver

8-8:15 PM

VL9

VL9 Raft River on VL9

Radar
8 PM

mid

Trys Aug
late

Rhy - on Bet property
Punches out Nwd

Memoranda

prop to west
- 10 holes by de Calb etc
before
Arbom EM, NS + EW

Duke Murell
CK Raft R

camp ~ 40 mi out of Clearwater
of Clearwater
~ 2 mi out \wedge before Raft R

go left on Nine Road -

22 $\frac{1}{2}$ mi ^{sign} stay on it

95 on right

6 $\frac{1}{2}$ mi - turn rt X River

then 7 km

2nd Xing

CAMP



CC17 33-40 Cu Sulphide w. rounded
pyrite nodules (clasts?)

Very perv. veining - possibly
flow bx locally.

ConSup EW EM on Gossan (1000 ppm)
no result

Drill - magnetite to Gossan
EM run later

Section Clearwater → Blackpool
Fennel → arg zones → Eagle Bay

32

(NO)

Sediment? Cut face shows
subt'l and + dacite clasts
to 4 cm ϕ

Dk grey "acid"/basic volc bx

33

No KSPAR Pyritic - matrix
mottled vfg some clasts (?)
Possibly welded ash tuff
or flow? (rhyodacite?)

34

Lapilli ash welded rhyolite
tuff
(K-rich matrix)
Pyritic clasts

Showery, Cloudy, Cool

stop 1 - eye's of dark gray silic. arg or
siltstone ? on the road south of
showings Sample 79-WM-32 1

2 across from Cinderella Trenches

STAN sample 40 ma 79 WM 33 2

Pink bxtd sl. pyritic rhy → grn frag
welded ? lap ash tuff → glassy

laminated welded tuff 79-WM-34 3

Pyritic - clasts chloritic matrix
pink to pink-gray - black

larger frags now py-chl - kspan
knots

along road → flattened acid

frag LT 000/80E

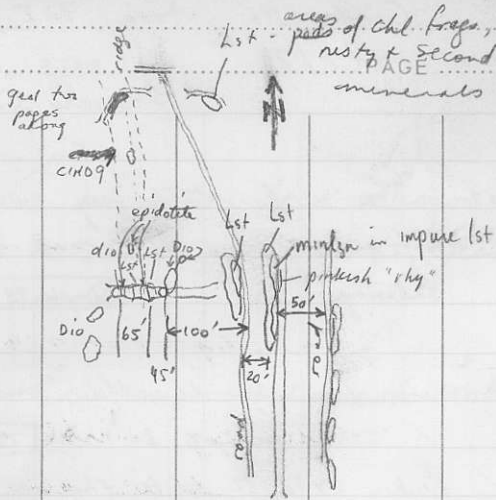
clasts avg 1/2 - 2cm loc 10cm 15%

matrix pink fs xls fg matrix

Road goes along strike



JOB
 DATE
 areas of chl. frags., minor
 rusty + second. copper
 minerals



PARTY CHIEF
 WEATHER

CINDERELLA

mineral mag with pods of calcrete spec
 + veins
 cpy + locally gtz
 zone dips East ~ 70° strikes N

FW waste w/try marble - rextld,
 silic /st - chloritic alter at
 east contact CIND 3 CIND 4 /st

HW pinkish rhyolitic-looking rock
 w. chl patches cut by ep-
 gtz cal veinlets CIND 1

mineral enveloped by actin epidote

N end of zone has 1m zone of
 epidote with chl mag - actin - chl
 spec pods cut by calcrete veins + pods
 actin also as rad. xls in cal
 (assoc och here alter)

CIND 2

To the west, there is a pit in LH
chalky wtrg massive to flabby lst
- beds dip ~ 60° E - no round in seen.

To the west is pink altered chloritized
fg diorite cut by dk gray dykes
(running E-W) CIND 5 CIND 5A
080/steep N

In the cut are pods or layers or beds
of sandy wh wtrg lst & epidotite or
epidotized rock CIND 6 epid-cal-
mag

adj to these zones, the dior is epid
altered + pink steamed
away from them it is dk grn fairly
strongly snap on fcc → chl fg diorite

CIND 7

Ridge to north
small % of epidotized rock CIND 8

100' north field silic frag volc - ep. altn
CIND 9



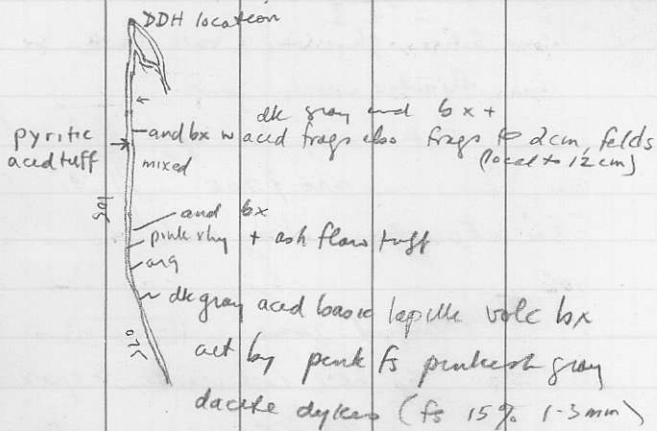
JOB

DATE PAGE



S to North

- Start ? Epidotized rock
- 1.5m Silic. rhyolitic ? volcanic rock or chert? CIND 10
- 15cm Pyritic rusty zone
- 2m White wtrg loc epid. lot
000 / 70E
- 3m Epidotized limy rock
- 1m Oxidized zone CIND 11
Ep chl cal acten spec
- 1m Epidote - cal alt zone
- 3m Pink felds silic volc - bedded?
cut by epidote - cal veins to 15 cm
across (E-W)
- 2m Epidotized zone (1st pods)
- 1m silic sds
- 3m limy epidot. zone.
End of 97c



Lst etc in next trench to N has
 smelted zones w. second cumm
 chl. frags, rusty + honey + blackjack
 sphal veinlets CIND 12

Now in long E-W trench N of road
 rock is variably dacitic → andesitic
 looking but locally can see fq
 + pebble-size zones - Graded
 tops East? Beds 028/705E
 Look like lavas in places
 but are prob mostly siltstone →
 gneiss ^{composed} of volc debris
 colours gray pinkish nearly black
 (glassy?)

cut by pink wtrg pink stained
 dacite ppy (plag 1-5mm 35%) dyke -
 1/2 in matrix pink, chelled

Then chl frag brn wtrg felds
 grn-gray bx chl frags 15% to 5mm
 on corner

Black vfg loc looks frag ~~dyke?~~
 or arg - some looks bedded
 silty arg. like

35

Pyritic (3%) Shale vfg
matrix fs xls rde frags ?

NO KSPAR

Rhyolac Ash Tuff or Flow

10m The "rhy" is fq, felsic, pink & has local areas with flattened chloritic lapilli to 8mm 20% (ash flow tuff)

8m Then black wtrg andesite^{lapilli} ash tuff or bx

Sim fq volc scds + cg plag ppy → fq dykes
contenue

Then heavily pyritic rusty wtrg white
acidic-looking ash tuff? or flow?

Sample 79 WM 35 4

1978 DRILL SITE Hole ~600' Stan
did this area - bottomed in
diorite

nearby (to west) is acid and bx
and local highly pyritic silic tuff
(see Stan's notes)

Leuconite veins in diorite
& chl on fr

Moved to Lake to N

Cr 110° 98 Keds "House"

36 mafic plap ppy - matrix (pink)
 fg gt3 - kspen 35%
 crowded Hb Plap Ppy
 -almost q. Diorite

37 Pink mottled rex/d kspen altered
 "aplite" veined rock
 altered rex/d Andesite?

38 2 Pinkish finely x/lne epid veined
 rock w. subtl' epidote altered
 clasts to 5cm ϕ of similar
 material
 NO KSPAR Dyke?

39 Nearly black frag rock - local

ppytic areas (kspen, $\frac{1}{2}$ -1mm, 10%)
 No KSPAR

135-160
 140pc Pink wtrg hornblende (1-3mm
 35%) disint. cut by fg pink
 dykelets (fg subgraphic granite - almost
 aplitic) 79 WM 36 5

175 pink to grn epidotized fairly
 acid frag (?) volcanic rock.
 Ksp or actn? magnetite
 → White silic vfg cut by chl-ep fr

225 clear area vfg pink to grn to
 (200-230)
 White mottled dacitic volcanic rock
 cut by aug cg plag and dykes
 Sample 79-WM 37 6

267 cg hb plag ppy dyke - pink alt

280 same but has muscovite matrix
 to the ~~west~~ north is black foliated
 volc - welded tuff 79 WM 38 7
 → angular frag. tuff

- 34 Ppy dyke ~ 2m wide here - ck is
vfg sh gray finely ppytic dacite or
dacite and.
- 341 fs phenos (pink ksp?) in gray
gm matrix - a few frags locally
- 350 Dk - blue-gray and. bx
frags to 6mm, 50%
- 375 ~~and~~ acid again
- 400 Continues - knob - LUNCH
Go 000 to next knob
- 71 Similar to acid rock
- 80 H6 Plog Ppy dyke
- 95 Frags to 2cm and bx - like that
in trench on main road to
south - some acid frags
- 130 Some thing - just east of knob
- 160 East of knob - and bx has lots of
acid clasts, gives way westward to

39 Dull ol. grn wh. ^{flow} plag xls aligned
 epid altered
 & Poor, Dacite
 ppytic

40 Dull olive grn matrix, clasts
 pink dk green 3 - 8 mm (avg 5)
 clasts float
 NO KSPAR
 Green Acid Lap Tuff
 many frags w bleached (silic?)
 halos
 epid. altered

apple green acid bx (felds).

→ felds pale ol. grn flow? (but it has
dk grn flattened-looking clasts) Ash Tuff?
by 175 has frag zones + amyg-looking zones

Sample 79WM 39 8

sample 79WM 40

9 fairly magnetic
usually

local ep fr + actn

pykes are both fg dk gray + ppytic
- fairly abundant

New pace New Borg 270°

west edge of knob and BX

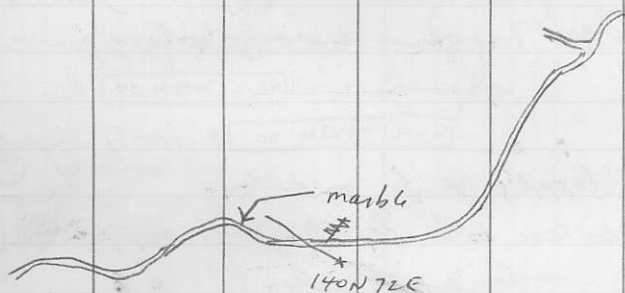
9 → 28 pcs

Acidic fg rock @ 28

39 Felds. acid frag "and" bx
dk gray matrix

55 pink + gray disrupted banding
frag volc.

69 pink-grn dissep mag acid volc, fg



[41] Same as [36] mafic Play Crowded
 Ppy - eplitic matrix

[42] Silic. epidote calcite skarn

105 fg dk gray end. (dyke?)

114 same cal fr

142 H₆ Diomite mg mafic → chl
grn color

155 Bluff of alt dior.

some Kspar or is it altm?

79 WM 41 10.

287 (104N64E) NO 07c

330 N End of Little Lake

Head for Truck

Looking for marble float - Meadow 25.6

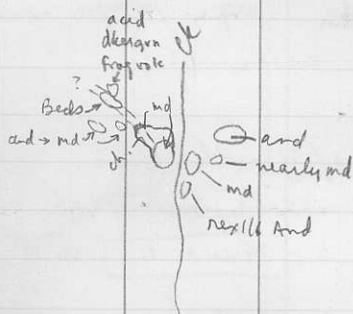
Wayne's Map 140N72E

26.0 Marble float on road

Sample 79 WM 42

27.4 man trap

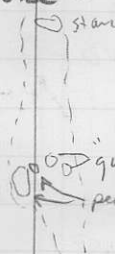
- END -



Sample
Descriptions

[43] 1 No Kspen dk grn epid alt frag
volc - some clasts w. ep. holes.
Minor second Kspen in altm holes
Sp. fractures.

[43] 2 No Kspen Felds volc wacke - dk
green - Gwke -



andesitic "gwke"
or tuff
local cherty zones
locally pyritic

Raining

Traverse east of access road.

Ck Valley

215
210

Followed "road" ~ 075 135 pc
Ends in meadow



Head uphill.

(Creek valley)

210 Rexid dk green andesite - vdk grn, pyritic
fg

215 Microdiorite - fresh
Hard, tough rock

Head east along contour
(more or less)

225 olive apple grn cherty rock with
ep altm which has white altm
bleach zones.

241 beds 045/55SE ?

282 Meadow gr of that looks like fg
and on wd but is, I think
gray wacke sample 79 WM 43

PARTY CHIEF Epid. alt. fg wacke or fg dio?

WEATHER



[44] No Kspar pale grn chl fract.

 * spots pyritic foliated (chl.

 spots elongated)

 Soda Rhy welded Ash Tuff?

[45] No Kspar Dk gray

 andesite ash tuff or siltstone

 red clasts common

310 9% sparse - head up hill

345 9% pale grn chl lens^{ry} tuff

79 WM 44

chl lens 065/80SE
(9% hit later also)

385 dk apple grn sl. pebbly felds volc gwke

386 vfg dk green - andesite or volc
siltstone

399-418 Ol grn fol-looking or kitted-looking
felds volc siltstone? tuff? ande-
sitic. → grn felds gwke - volc
frags to 2mm avg 1mm. → cherty
felds volc (tuff) → black fs volc
ash tuff

Edge of 9% ~ 055°

423 next 9% is black ash tuff apen

gradually coarsens across 9% sand

Sample 79 WM 45

Heading uphill next 9%

440 is green (apple) gwke on tuff
with local lapilli size clasts
(Feldsparite)

South of it is v. dk gray and.

PARTY CHIEF L. T.

WEATHER

46	No span			
----	---------	--	--	--

Clasts red grn white

1-2 mm 50% ash matrix

Maroon Ash Tuff

460 Maroon (dk) ash tuff - clasts volc,
(lt gray) chloritic avg $\frac{1}{2}$ mm 25% matrix
vfg.

sidehill to 500 then head south
up hill (150°)

490-500 Maroon tuff - loc clasts to 3mm
E12920

Sample 79 WM 46

509 Lap Ash Tuff loc clasts to 1cm
avg 1-2mm Clasts 60%
Clasts plap acid volc red volc
Reddish overtones Gwke on Tuff

520 "acid" ash tuff - clasts loc to 2mm.
Reddish gray color

535 Maroon sheared? ash tuff

590 Maroon ash tuff
-600

608 " " " - white fs grains
(20% $\frac{1}{2}$ - 1mm)

626 Layer 5cm of flattened (epilli

PARTY CHIEF 058 / steep SE

WEATHER

47 No Kspar

Pinkish gray vfg matrix
 clasts red gray epid alt.
 green 2-8mm $\frac{1}{3}$ chloritic
 Clasts float

Epidact. Acid Chlorite frag Lap Tuff
 (9/6)

No Flattening

639 less evident clon'g 045/steep?
 513070

654 Red ash → felds tuff → acid, flattened
 (3m wide) chl frag tuff. Chl frags to 1cm
 12%, volc clasts to 2mm 10%, felds-
 pathic, acid matrix. Clasts dk green, ^{pink,} red,
 dk gray. Clast elong 035/75SE
 contact strikes ~040°

Matrix pinkish gray.

sample 79 WM 47

Then Maroon felds ash tuff with zones
 w. lepidite sized frags

665 - 670 acid LT again ("beds" - ston)
 Then maroon ash felds tuff again

667 Green felds "gnice"

672 (should be 672) hard brittle ash → Lap
 ↓ maroon tuff

688 acid again - chl frags
 ↓ 700

710 Maroon felds ash tuff

715 acid

755
 745

150' east of line

fg acid tuff - clasts 1-2mm

PARTY CHIEF 15% felds. ash tuff

WEATHER

48

Ep veined grn fmg volc -
clefs gray grn white
1-5 mm (3 avg)

acid/basic lep. Tuff
on volc bx

772 minor macon ash tuff
predom. acid ash - CT to here

788 Ok grn chl - epid pyritic plag
andesite
Plag 1-2mm, 20%
dyke?

just up hill, wtd rock looks acid
but is fg felds plag pyritic lava

801 Acid-looking almost cherty,
loc fragmental ash tuff (?)

Sample 79 wn 48

830 Apple grn, felds dacitic tuff
Pyrite 5% cubes dessem.

v. minor dessem cpy (one grain)

↓
850 some have a pale macon matrix -

875 not pyritic

calcite veined

900 Green frag rock black frags
to $\frac{1}{2}$ cm

914 ash tuff
Cherty - lapille tuff - acid
SI 3440
(apple green)

49

Sim. to 48

Dk gray grn acid/basic
lap tuff

50

Dk gray grn (sim. to 49)

Andesite lapille tuff

Clasts gen dk gray-green

one scoriaceous one -

Still going ~145° up hill

965 andesitic-looking zone than
more green acidic tuff - one zone
with many chl frags (less acid
now?)

990 Rocks gen more basic-looking
here - more fg mottled green
+ black tuff (?) - almost cherty.
Tuff with flattened clasts
058 / ?

Ep actn + vcnlets (2)

* 1000 New pace begun

14 Black frag vfg subconch fr.
andesitic? glassy? 79 WU 49 Sample

+ 54 grain size variable vfg → lapilli
mostly dk gray frag volc - clasts
dk gray, red, dk green,
chl - ep actn.

loc ep actn zones to 10 cm wide

87 fg / lapilli size clast frag volc contact
(^{Et} 3670) 050 / 45 SE - may be slightly
descripted.

loc frags to 3cm

Sample
79 WU 50

JOB

DATEPAGE



PARTY CHIEF

WEATHER

113 Top of Hill E13700 - LUNCH -
 and bx cut by plag ppy dykes
 lots of Ep altn.
 → fg dk gray and. lava
 New Brq 180°

25 Mostly lap-sized frag volc
 andesitic

45 And Bx frags red shades of grn
 some pink
 ft to subrounded floaters (to 2cm ϕ)
 Ep or fr

87 1m wide apple grn and bx - loc
 chl clefts, rnded, to 20 cm ϕ
 zone ~ 053° strike

New Brq 230

56 Still and bx + and (dykes?)
 cherty Ash Tuff layers ~050/steep
 New Brq 320°

0-70 mainly and + lesser bx
 100 acid green "tuff" chl patches
 (not clefts) ep veins

110 Andesitic again

- 126 Bx to here has been only a
minor component - mainly of
dk gray and or dac and.
- 141 Heavily epid veined & altered
- converted to bx
- 164 And Bx - also or flow bx?
- 184 more bx than and now
- 225 And Bx + And - mostly and to
- 260 amyg dk gray and white
chloite to 2mm 15% oval
- 283 dk gray green and buff arg
grains $\frac{1}{2}$ - 1mm
- 290 Pyrite flow And - dyke?
- 295 Is it felds grn gwke? has
gtz grains. - Yes - is fragmental
- 308 Felds epidot acid bx
clests to 5mm
- 342 Maroon red acidic bx
(dac and)

357 Middle of longish open area
(E13320) Andesitic-looking frag volc.
acid + and clasts Lap Tuff
to 390

404 Grn "acid-wtrg" frag volc LT

438 Gray rel fy chl frag ash flow tuff

447 Coarse sand size volc g wka → L.T.
(E13200) Beds 055/90

482 Dk gray ash tuff (reddish overtones)
fs + red + other volc clasts 25%
matrix uff.

557 Followed field at 000° to 557
90 ends wrong - was 300?

690 Switch to westerly along contour

714 Pale gray silic chl frag tuff
ash size looks like track we saw
this am. - IT IS - WE WERE HERE!
Continue toward

~~705~~ 805 Creek

~~8~~ 927 Green cherty to "gaska" acid tuff

PARTY CHIEF

WEATHER



51-1

malachite on fractures

Ep - gtz - barite veining

Rock vfg + gray

51-2

Extensive ep veining + altn blebs

No KSPAR

Derived from green plg and?



9/11
pacer
skipped

X11 (1011) Prob 7% of dk gray andesite, rlg

X13 (1033) Road (E1 2880) Acid bx %'s

1255 E1 2600 Truck



new area

PIT EAST OF Hwy 5 (Vic's Area) Near Hamilton Lk road

Looking for "Shaft" near Hamilton
lake turnoff on Princeton Hwy

Mineral is mal + och hem on
fr in intensely epidotized
dark gray andesite.

calcare fr.

Ep on fr + in blebs

Mal. derived from bn (remnants on
cracks). Sample 79 WM 51

Bn interpm w gfs + ep.

— END —

COLDWATER

52-1 Plog & volc grains in brown
felds volc sst

52-2 Clast in cgl
Pantash green fq plog pyritic
syenite ppy
↑
(fq equivalent)
forgot the name

matrix very knuck, no gtz seen

Sunny, hot

Leave truck 13000' SSE of Morganhake
 traverse 010° to nose

108 Cobble cgl - cobbles to 15cm ϕ
 rounded - matrix volc fs
 wacke (avg $\frac{1}{2}$ - 1mm)
 COLDWATER CGL.

210 Gully

456 Matrix supported pebble - blder
 cgl - clasts well rinded - mostly
 plag and. plag pyg a few fg
 diorite
 matrix $\frac{1}{2}$ - 1mm avg fs grt volc
 grains wacke
 pebble - blder cgl

NO BEDDING

Boulders scattered, no patterns

Samples 79 WM 52 2

510 Cgl with sandy layers (mesowe
 f - coarse sand size)
 Beds 100 / 125 W poor

COLDWATER

53-1

Clast - Hb Qtz Plag Ppy - (K-spa
 gts matrix)
 similar to Crump Lake these.

53-2

Weld rock - looks like dacite
 but stain shows Kspa - rich
 clasts with gradual borders
 + K-cement - K zones define
 a "layering"

PARTY CHIEF odd welded LT?

WEATHER

530 Knob small cliff on west side
 sandstone → cobble → boulder cgl
 Blders to nearly 1m ϕ
 Cliffy exposures show local 5-10cm
 sandy beds + some of the slump.
 blders show alignment

Base of cliff 170/25° W
 minor fret offsets
 still cgl w sandy layers

Base to top
 6m cobble cgl + sst layers
 ~ 7m " " " "
 + scattered boulders

* Gd ^{cobble} ~~pebble~~ 15cm ϕ (Jesse Ck.?)
 ~ 12m cobble - bldr cgl with
 sst interlayers 79-NM-53
 a macroscopic coarsening
 upward

~ 10m sandy - cobbley rocks, a
 few boulders to ~ 1m.

Top of ok sst dyke ~ 025/90
 or are they sole marking?

split up - Stan 090
 ne 270° ~ 1500'

31 Ridge of 7c 020°
 same sandy - cobble bldr cgl
 lots of crowded ppy clasts
 - often lam. stained

60 Fairly open area
 low 7c of pebble cgl + sst
 → cobble cgl

131 abut N of my line
 pebbly fts volc fs wacke
 small ridge 7c 070°, 50'
 pebbles avg < 1 cm loc to 2cm
 (15%)
 poorly sorted a few bldrs

141 Small pebbly 7c w. one 1cm
 siltstone layer

300 New Brg 240° ^{grove of}
 m + Aspens

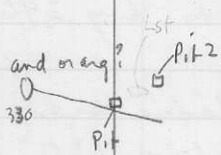
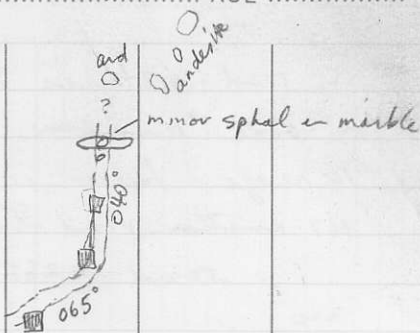
- 35 road - stakes 335°
- 50 oval meadow with ridge in it
- 76 ridge - follows it SWd.
- 167 another road - ^{SW} corner of meadow
road ~265° avg follow it
- 220 " 215° now
- 250 High grd bry 145°
- 312 Hill - west side boulders
of Caldwater
- Return to bry 240°

- 370 rel clear area
new bry 180°
- 313 Road
(followed field down)

468 - TRUCK -

meadows turnoff again 85.05 km
 followed left hand road to
 trenches 86.4'
 'E-W 25' deep, no %c





and bl vfg
with gt2-ep
lenses
gt3 py cpj

move to area of trenches to south
 Lunch bk then head 100° to trenches?
 110pc trench 030° 25' in golden
 brn wtrg sst - cobble cgl - coldwater.
 Some clasts (nearly blders) of fg intrusive
 (aplite?) and acid volc bx (Nicola)
 Beds? ⁰¹⁰ ~~175~~ / 20E (poor)

504 (304) Valley flat - small pit @ edge of
 hill - no ore

550 (350) Claim PAN #4 IPost 1962

Pit several cg spec veins
 up to 15cm over 1m - pinches +
 swells cut impure actinolite
 calcite? rock

alt. mens grt - cal - spec -
 actinolite - spherulite

sphal - cal veins to 2cm

PAN (8 samples)

370 And

Head 150°

22 Andesite cut by? crowded
 flag dacite ppy dyke

PARTY CHIEF

WEATHER 2090/90

54

sch. Hem amyg full olve juen
dac endesite
No ESPAK

112 Possible o/c of pinkish gray
dac and. sl. ppytic

150 Lst + act sharn bldrs
o/c 125° uphill 100' vert

163 Low rubbley area - subo/c of
Lst or limy rx

180 o/c of ^{vesicic-}amyg grn gray f_g dacite
vesicle along in 035°

Sample 79 WMS4

New brg 160° sidehill

240 ~ Brg 010 to top of hill + south
overlooking clearing

New Brg 010°

33 o/c of golden tan altered rock -
could be dacite could
be anything

identifiable - silic looking

qtz-felds wacke, fossil. Lst

may not be in place

95 road (of sorts)

100 pyritic plag ppy microdia.
matrix - Blasted pit

Dk gray
and.



55 Second kspn altn + veining
Dk gray plag andesite -
plag xls look cracked.

56 Veined with k altn holes on
the veins - in the stained slab
the k altn has preferentially
followed perlitic cracks

Bxt'd Black Daxite ?

57 Nearly black frag volc but
stam shows k-rich clasts
+ Kbrg clasts are common

PARTY CHIEF

WEATHER

Black red acid

Lapilli Tuff

118 Claim Post

PIT 3, 4 1972 (May)

324049 FP

324050 FP

PIT 5, 6 IP

324051

5 left #2 North

324052

175 near Lulltop. The gray plagiopyritic
fg andesite 79-WM-55

locally pale gray epidotized +
ep veins

CRC 240 is bl vfg brittle

strongly magnetic 79 WM 56

Big 275 into meadow + near large

11 And Bx 79 WM 57

20 " "

25 Buttle sharp dacitic rock - dyke?

28 And Bx frags to 2cm (avg 5mm)

↓
32

pyritic - fg red-gray
sub 1/2 50%

42 amyg dacite cuts? and. 015/90

PARTY CHIEF

WEATHER

58

Venlets w. Kspar altn halos
cut end. CR

Minor cpy in the altn zones

Kspar zones are dull olive green

(GGT T.S.)

44 old cat road
more or 50' left of line

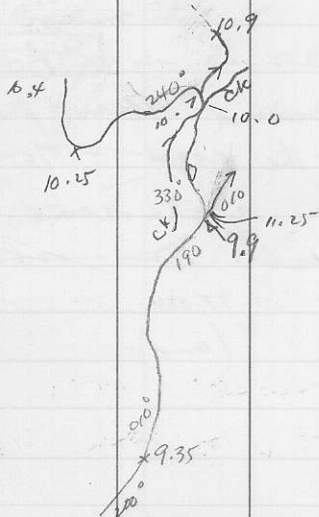
58 Qrd cut by E-W and "dylce
minor cpy w cp altn
Sample 79 wa 58

83 Cat road - after 15 pcs - head down
- not the road - etc of andesite

pacen
wonky
58 - the real road
nerble - road
TRocke
(and)

JOB

DATEPAGE

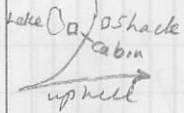


PARTY CHIEF

WEATHER



Starting at the flume turnoff
mile 3 poor road to left



8.25 miles in

8.5 old (red) barn adjac. to Swampy Lake

8.7 main rd again

9.35 Road 200° → 010°
Back Flat Fwd uphill

~~to 0~~ 9.9 in main 330 side 010°

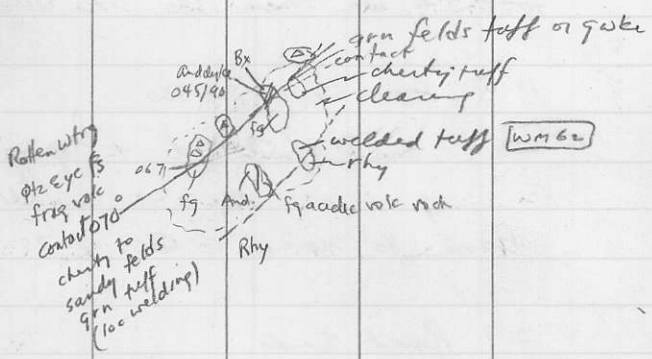
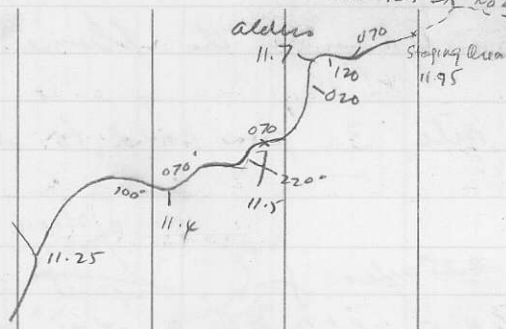
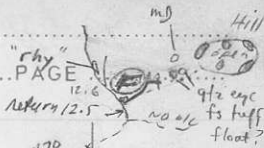
10.0 cross Ck E14330

10.4 End of road - Aspen Logging
Meritt

Back to road @ Ck 10.75

10.9 Road ends -

small closely carbonate veined deeply
wtrd vff olve green andesite?
Very diff. to get a fresh face to look
at - Fract on 5mm scale.



60-1 Acid trap v. v. - clasts fs, qtz, dacite variably epidotized
 dk grn plap ppytic but
 K rich + speckled w. penthead size
 devet. zones.

PT PART FELDS Dacite Rhyodac Lapilli

WEATHER

(60-2 + 61 next page) Tuff



other side road start 11.25

clearing - was alder grove

staging area sample 79 WM 59 Fossils in
brown to black siltstone

Bedding 010/27SE

Weyla? Plants

JURASSIC SEDS

Hilltop E14730

Rock is pale gray grn pyritic, felds.
volc. siltstone → sandstone (or tuff).

almost cherty w. ch. patches
in places

→ odd chlorite eg feldspar

andesitic (finely amyg → scoria) trap volc

(like my Inon Uta "cinder cone")

but this one has g & r eyes

Sample 79 WM 60

Brq v 250 to meadow

90% of rd. dk colored but pinkish

w/ing "chylite" - loc flow bands

060/57SE 79 WM 61

60-2

green b x t d ep veined + bleached
ed gtz^{eye} plag dacite

(like that seen in
meadow)

61

Dark brownish flow layered
gtz veins + fr K-rich rock
like Iron Mtn "Rhyolite"

62

Hematitic squashed (to 3cm long),
welded lapilli tuff with K-rich
matrix (dk apple green).

63

Gray gneissy-looking plag
andesite (plag xls with
white halos)
matrix microdiorite

next to the rhy is Lam stained green
and welded tuff 79 WM 62

Just SWest of nose microdot. the green
play ppytoe 79 WM 65

12.5 ju again

13.3 road goes 110 swinging to
130
more or less along contour

Lunch ~ 4500' mileage

mileage 13.9 Elev 4500

Brg 240° 070 paces hilltop with 1st

eye - west edge of eye is
low bluffy 1st eye also

Bidding ?? 050/70NW

very doubtful

Hilltop 4550 (Stn 4610)

Back to get hammer

16.8 lunch spot again



64 Kspar free - dk green chl amygd
andesite

65 No Kspar
Like 64 but spotted with Shetz
alt patches

17.0
~~16.8~~ Old logged area

17.1 Climbing + loops west by 17.4

17.65 etc nr ck xemp

(4500') grn gtr eye fr dacitic rock
 Ha dacitic frags : frag volc

17.75 Rd Ends @ old logging area
 Erg 020 at end

Traverse 320° grad → 300°

235 HT of land to left -
 go to it

275 Small meadow - ht of land
 ahead - etc

Ok Olive green, fg andesite

Sample 79 WM 64

295 Sim. but chl. altn (2)

Going ~ 270° low

383 Hilltop Green fg and - nearly mdio.

loc Ep vein st fr Sample 79 WM 65

Go N30E for 500' then rest

076

66

Fragmental gtz eye plug dacite
 pale - dk green
 (like in the meadow)

34pc of brg 300° ⁴⁷fg - amyg grn and.

65-70 same

107. similar and. (nt of line)

follow-up ridge now - so new

brg 090°

152 Pt of line of amyg (round,
2mm, cal-ep, 12%) grn andesite

200 g₃-eye acid fragmental rock
feldspathic chlorite
pale gray grn

300 no of head 180°

78 ? g₃ fs rock

79 WM 66

115 road @ g₃ eye frag of

-END-

Sunny, Breezy

Brg 000 from near Flume Rd / Power Line Xing

75 Rubby, reddish wtrg 7a - looks bedded
qtz-calc & ankerite - calc veined

rock 'tough' fg dull olive grn

* red wtrg sheared play andesite
(play 1mm 25%)

shearing 030/75NW

etc too screeffy & veined to be
sure but zones look like and. tuff
either zones like flows - may also
be dykes?

sample 79 WM 67
of grn vfg and.?

CONTINUE

85 sensitized green frag acid tuff
matrix vfg white - waxy clasts
flattened ^{to oval} 30%, 2 to 7 mm long dimension

in contact with partly Lem
alt gray andesite (dyke?) 005/90
Frog volc veins to vfg pale green
sheared tuff shear 035/80NW
Frog Elong 015 / steep? poor



CLAST

68

Fractured veined pink
stained sericitized?Crowded plagioclase
matrixqtz - Kspar
likeSclerified + K altered adj.
to the veinProbably Jesse Ck Intrusion

95 Red sheared and → more massive hem.
 ↓
 100 alt and

100 % Ends New Brg ^{270°} ~~270°~~

04 sheared very small % of pale grn
 acid tuff

40 lots of pink qtz kspn hb (?)
 almost aplitic float

55 new brg 320 to %

91 pebble - boulder cgl - sandy
 green matrix - boulders float
 sorting poor - many "aplike"
 boulders + cobbles 79 WM 6B

Σ1
 2400'

subfr to well vnded

"COLDWATER CGL"

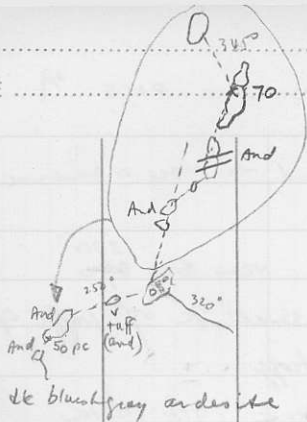
matrix rok fs pebbly sst

Blders to 30 cm common - some
 to 80 cm Beds ? 020/50SE

1K Bedding right - only 3m of
 section exposed

100 New Brg 250° to %

15 rubbly hematized sheared
 ↓
 18 and ash tuff clests to 2mm



dk bluish gray andesite

69 Hematized ep-calveined
~~plg~~ andesite
 Hem. after augite?

70 mod K stain dk blue gray
 dac. and.
 (fragmental in part)

71 Pinkish brown chl frag red
 grn white frag ~~frag~~ lapilli
 tuff
 clasts float or touch
 (65%) [1-8 mm avg 3]
 ~1/3 are K-rich

[96]

24 rel measure Lem alt and.

36 ~~alt~~ carb-ep veined chl alt hematized
aug fleg and ? Sample 79WM 69

by 41 → Gray grn (ep alt 1) and with hematized
mafic (mag or augite)

little 7c to sw is bluish gray andesite

vfg - perhaps dacitic andesite ?

Sample 79WM 70

new bry 010

015 Hem. and.

by 25 it is fresh hard, tough,

augite andesite, gray

33 Hematized open

swamp to Bry 045 downhill to vent feet

pc 46 ore of frag vsk - L ash tuff

pyrite acid + basic peak →

grn clasts pale pinkish

matrix - clasts 1-4mm 50%

Sample 79WM 71

no bedding possible 5m wide

50 cut by and dyke 073/73NW

Here the tuff has many frags

in 2-5cm range, frags 65%

Lapilli acid/basic tuff

(or bx)

lots of pink, vfg silic frags

zone strikes
015-220° ?

PARTY CHIEF

WEATHER



JOB

DATE PAGE

* Bx is chl frag
acid bx with
some and. clasts
also



PARTY CHIEF

WEATHER

70 Sim. LT → Bx continues
 Brg 345° to o/c ~250' away (Σ1 2500')
 continuing - matrix loc vfg dark
 pink - looks acid

85 v/c gray vfg and on dac and-
 dyke?

105 qtz - ep + py pods cal
 veins in sl pyritic gray grn
 and/or above frag v/c
 below (carbonate veined,
 sheared)

Contact ~013°

sl. downhill trend

120 Frag Ely 005

matrix green now - looks less acid

Σ12440' 130° o/c continues but head
 270° now

23 Green and when mafics
 has an odd pebbly zone
 (looks like blue pillow bx!) but
 orientation not clear

40 top of bluff o/c
 Possibly local pillows (this bluff)



72-1 Laminated amyg ppytic dk ol brn
very K-rich Dacite?

72-2 Vugs have layered infillings,
partly fragmental dk gm →
reddish some K-spr vug
fillings + local K-rich areas
in the rock

Flow Top? Amyg Dacite
Bx

72-3 Reddish brown mottling + illdef-
ined layering Plog Dacite-
matrix K-rich except around
phenos where K has been leached.

45 - 177 no γ_c - takes to south - 50'
go to it

196 Brg 230 to knob of γ_c

217 Epidotized lens alt pale grn -
S12860 silic rock?

243 top of knob

laminar - rows of lenses?

160/90 - "Bedding"

also || to a vague compositional
layering sample 79 WM 72

lunch

S12920
pc 243

Basic rock is epid. chl brownish gray
dacite

Locally have pink fs phenos

350 E7 3120 γ_c beginning is gneiss -
andesitic composition felds + volc
grains < 1mm avg

Grn matrix 40% vfg

Ep fr sample 79 WM 73

a few fr on is pyritic grn
epid. clot dac-and. dyke
cutting frag volc - clasts to 1cm
avg 2-3mm subgr -

PARTY CHIEF

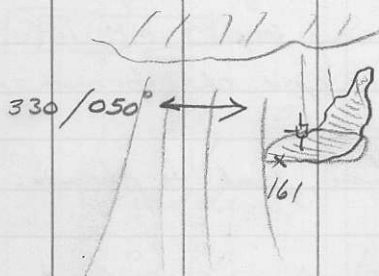
WEATHER

matrix dk grn

clasts acid + basic

73-1 Dk green frag volc -
andesitic but one cleft took
moderate K stain.
And Lap Tuff

73-2 Dk green frags crowded, 3-4
mm, ash - Lap Tuff (acid/basic)



74 ~~test~~? chem anal sample
Dacitic Andesite

by 370 the road is to gash (fold's volc)
 again - confused relationships
 here because of dyking
 370 EI ³¹⁴⁶ ~~3970~~ new bog ~ 000 (along contour
 valley)

9 "Dacitic" frag volc
 18 Dacite - sl. ppytic dk gray
 70 " " dk → bluish gray
 coming to high trees & valley
 contour no longer close to 010°
 change to 000°

135 Base of large talus slope
 *I was here in 76 *
 Rusty w/ry float is odd
 play ppytic micromonzonite

161 7c of gm fg dac end.
 EI 3290 chem anal sample
 SWing to 350°

79-WA-74

175 Lime cemented bx - tectonic
 045/65NW

claim post

PARTY CHIEF JEB 15284
 WEATHER post 2E WA Howell
 June 20/76

75 Ppytae Lightly amygd (layered)

chalced., chl, ep, Kspar inclusions.
green amygd dacite

180 Rocks are dacitic w. epid altz
of fs phenos. Phenos 15%, $\frac{1}{2}$ -1mm
Back to 000°

190 can see a few clasts
locally (to 2mm)

195 a narrow zone of andesitic
lap. ash tuff (dark colored anyway)

204 Dk gray fg lava above lap
tuff - clasts to 2cm

Bx Zone 015 / steep

frags - ^{fg} fensly ptag phenos -
black grdnms (And?)

zone traced to pax 213

225 Black epid ← ptag andesite?
(E13860)

New Brg 090°

5 Amyg (chl) dec and - dk gray

28 Epid. amyg dacite

31 Green dacitic tuff? 79 Wm 75

Scoria c. flow top?

* There is no 76

44 felds, amyg dac
 plag 25% $\frac{1}{2}$ mm

61 Dk green trap volc - clasts
 mostly basic, chloritized, some
 acid-sub~~str~~ to 2 cm avg 2-36
 mm clasts 55% Matrix chloritic
 cut by dk gray f_g dac dykes
 040/60 NW

Bx at least 10 m thick
 Frag loc \rightarrow 10 cm
 dac and (gray-maroon)
 f_g \rightarrow ppytic

97 Line moved 50' N
 Pink plag ppytic gray dac lout by
 v_f dk gray dac and dykes
 * lots of trap volc float in talus
 © 97pc

113 (513110) pink (grn act) acid rock
 scoreac flow tops again?
 flow foln 035/55 NW

JOB

DATEPAGE

* this boat 9c @ 650 is the
AM's first!

722 MLC EI 2060 (set @ 2100 then
Amd)



PARTY CHIEF

WEATHER

no flow banding in various directions -
 ↓ flow bx?

133 Flow banded dacite

135 - 200 Talus Slope
 (E12900) no 9c

400 (E12560) Grassy Meadows - no 9c
 in sight head N to gully - hope
 for 9c there

74 old cat road goes up
 the hill (after Xing the gully)

100 Gully

122 across it - no 9c in sight
 (E12460)

Follow gully ridge down

303 E12230 still no 9c

Head SW along contour

366 second Gully

593 9c of hematized green and
 cal rhyolites +
 cal-hem (och) zones

610 sp for vfg sh blue gray
 E12200 and or dac and. dyke?

617 Hem And.

PARTY CHIEF

636

and below grn frag ^{ash tuff} → LT above

WEATHER

(E12220)

sheared

Big 130 ft cal-hem guard
 163 ft strat pt

→ END →

~100

odd



red flagging
been red balloon on
ground



On long road to Cinderella claims -
followed it 1.65 miles then turned
off to right.

60 0.25 miles then head N to see
if there is any σ_c

57 Siltstone + Sst debris under it

158 old road with fence up the
middle of it

165⁺ moved westerly to ridge

275 E13470 No σ_c - ridge glac.
debris only

Sidewall N wd 75 pc then head down
hill $\sim 110^\circ$

45 Road + Fence

140 Road

70 Rotten wtd scuffy gndee? -
could be wtd Nicola but
favor Caldwell, near unconf.

PARTY CHIEF

WEATHER 200 m/c

77-1 mafic plag quartz diorite clast

COLDWATER

77-2 Felds volcanic SST
a bit lmy

77A Mottled grt plag volc SST
not calcareous

PHOTOS - the sandy layer

- the imbricate boulders
(hammer || to bedding)

Look NE
bluffy ofc

continued to ~500 past where I
came down from the last lake then
went ~~west~~ ^{east} to nose of 07c (E13200)
to valley then ridge

68 old cat trail

224 E13140 7c of pebble-cobble gl
read up ridge

by 235

The rock is psE with scattered (25%)
cobble + boulders

matrix fs - red but fs are wh.

+ cherty, is pebbly

(strike poor)

Beds ~~030~~ /35 SE

sample 79 WM 77

clasts - large ones well inded

volc - fg red + gray some gtz monz & gd
plag pyrite andesite - some w chl matrix

matrix fs, volc, gtz

one zone has a bl/wh mottled

wtd face - locally cemented? 77A

local limy cemented zones

poorly reset


20 07c has "beds" of granite
boulders

vague imbrication
up hill

overall dip
looks ~ 45°

PARTY CHIEF

WEATHER

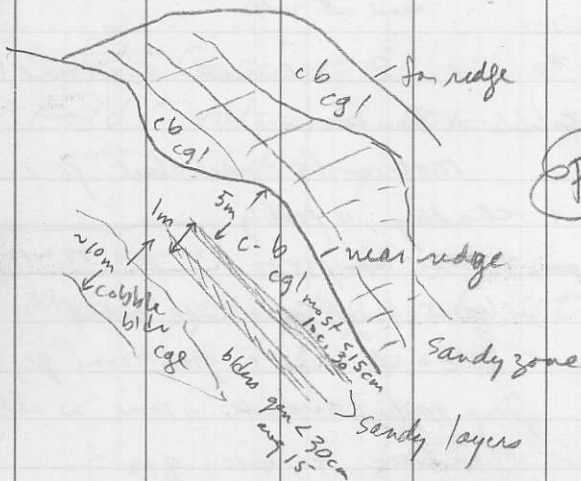
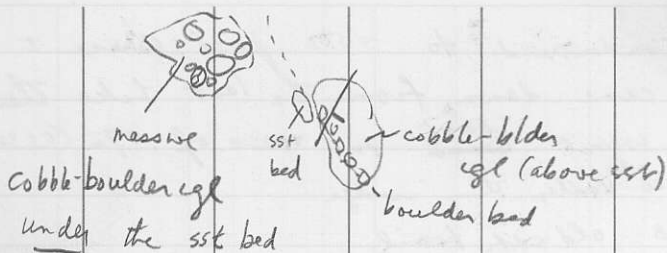
Beds  boulders

Sandy bed

5cm

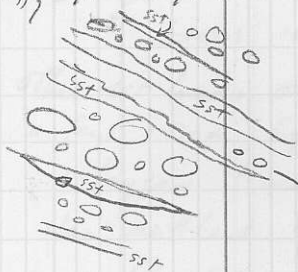
 NW
wade

029/50 SE



32 Go along strike to big bluffy ore

Xbeds
channelling etc, tops upright -
Cliff etc ~ 90 m



(PHOTO) to 1 meter of
boulders floating
in sand matrix

Clasts fractured often fr bke thru
boulders

local cal. cement
cal veining

E13350 Bedding ~ 045/45SE

Top of knob (not paup - too steep)

078 (E13500) Dip off to 40 strike ~ 030

Following sandy zone

105 left side of ridge SST interlayers
less common but there

136 pc Beds 027/67SE

3m of sst with sandy cgl layers
15cm - 1m wide and sandy cobble-
blder cgl

Looks IN PLACE

Other sst beds also - zone ¹⁵~~30~~m wide
a few 1-3cm fg sst (almost silty)
layers (bedding from one)

Has mottled wtry interbeds
(Bedding consistent) to 150

170-180 a bit to the east - p-c cgl

245 p-b cgl + sst layers - bedding
back to 45° ~

Bldrs to 1m loc.

280 Edge of knob - top is pordon

E13720 c-b cgl

* Granitic clasts - Seaside Intrusions

New Brg 240°

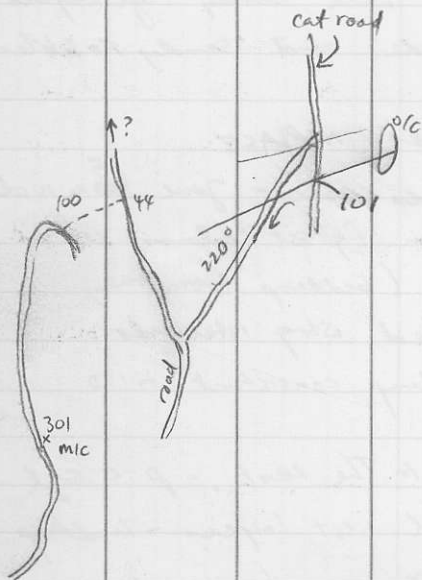
015pc a bit smashed looking w.

salute ramp ^{rims} + around clasts

(near shear) Beds 012/38E
silty unit (same one?)

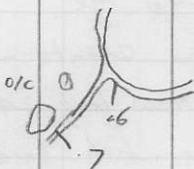
PARTY CHIEF cut off by shear 060/43SE

WEATHER



Beds of act.
Sandy + pebbly
zones locally

most clasts $\frac{1}{2}$ - 2 cm
avg. .8 cm



PARTY CHIEF

WEATHER

Below to 26 is red massive p-6 cgl

75 just uphill pebble-cobble
cgl - matrix wtros mottled
etc wtrod - no bedding possible

301 mic. move to next area of interest

0.75 etc's in field to west of road



erosion surf
sst 170/30 E
Bedding??
c-b cgl p-c cgl

Following road west of ch pebble
cgl ridge

0.6 road splits - go rt

0.7 white to black ch + quartzite
pebble-cobble cgl

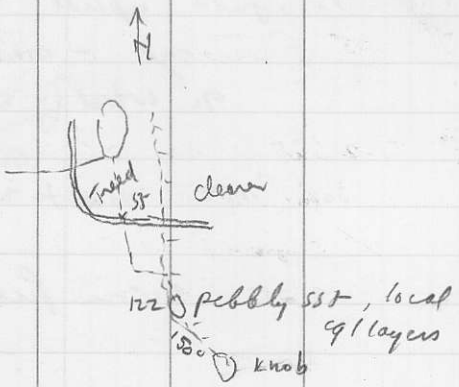
well rounded, oval shapes
clests 70% matrix rusty
wtrog, ~~all~~ too weathered to
really see it

PARTY CHIEF

WEATHER

Sandy layer 153/90 dip unsure
Pebbles about 155-160





1.30 Trenches on both sides of the
road (side roads actually)

1.35 Fence Across Road E13130

2.2 but closer to 2.0 after a bit of
fooling around - head N to
supposed Fossil Locality

113pc 1968 Claim Post - December

Hours 19 → 22

974 166, 165 IP # 21500' sly.

" 163, 164 FP

200 Swing to 045

220 " " 090 E1 3780

285 Big Meadow E1 3770 (nr south edge)

350 Road + trees

370 E1 3780 90% of ^{p-boulder} conglomerate

with occasional interbeds of

calc cem. green gneiss (sandstone)

Beds 020 / 40 SE

(90% goes up the hill ~ 200')

new Brg 165°

80 moved east a bit

78-1 could be Coldwater or Nicola
 Very immature clastic volc.
 rock - many k-rich volc.

Clasts - most 2-3 mm, a
 few to $1\frac{1}{2}$ cm one black
 arg chert ^{clast} \wedge 4 cm long

78-2 Like 78-1 but clasts overall
 a bit finer & fewer pebbles

PARTY CHIEF

Green ~~gray~~ graywacke

WEATHER

a few cherty clasts

180 Knob pebbly volc sst with
 ↓ boulder "beds"

235 \ 25% flinting, to 30 cm ϕ
 sst of grn felds, some qtz grains,
 lots of volc debris.

Beds uncertain

a few carbonized plant remains
 in the sst

Bed 150 / 43 NE (v. unsure)

262 p-c cgl

E13540 pc 275 New Brg 270

120 pc drop down 40 vert ft to road

- 245 MIC E13510 -

mileage 2.85 (3530 E1) Go up other
 road

3.75 almost where I crossed the
 road earlier

7% below me

7% sst → pebbly sst - some chert
 clasts (black arg. chert)

sample 79 WM 78

79

chest pebble - cobble cgl

some quite pebbles - pebbles

very well rounded

GET TS - radiocarbon?

JOB

DATE PAGE 54

Σ1 3420 4.2 Go east on branch road

4.55 7c above me

Chert pebble (loc. cobble) cgl

Beds ?? 170/25 E

Sample 79 WM 79

- Head Home -

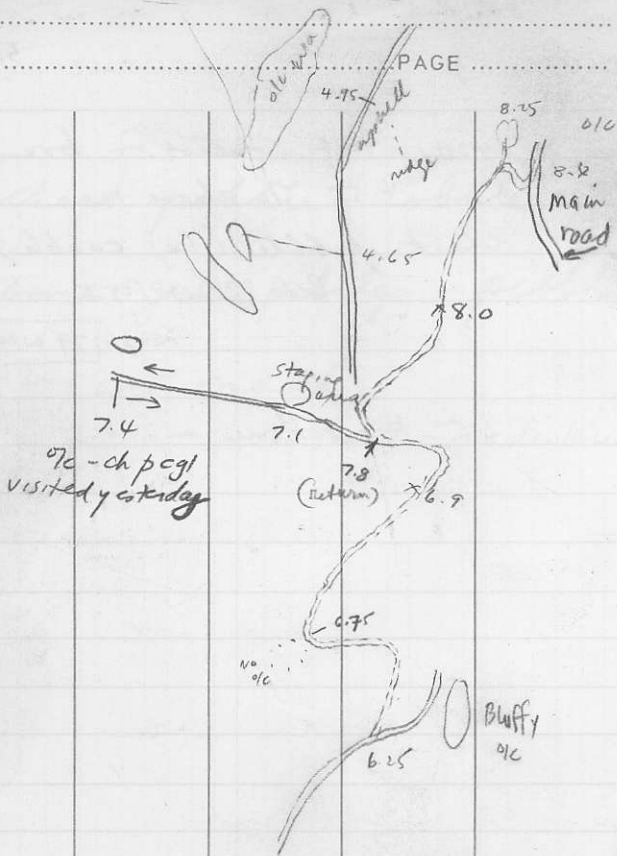
PARTY CHIEF

WEATHER



JOB

DATE PAGE



PARTY CHIEF

WEATHER



mileage 4.3 yesterday's turnoff

4.65 outcrops up the hill
p-cobble chert chert cgl
pebbly beds 130/67 NE

4.95 much to up the hill to the ^{west} ~~north~~

5.4 Head-260 up steep road

5.8 E12800 Road Ends

pc 65 NW - all glacial ridges
to back to artc

6.25 take side road

6.9 Subsoil? definitely xptd a bit
yellow brn w/str sericitized (1-2?)
pale green gts - cal veined plg
ppytic dacite

7.8 back at other branch

8.25 Staging area in valley -

E13340
(near 3440)

big-76 on nose to the NE

"Ridge"
on Haverhill
road

PARTY CHIEF

8.7 Ranch Road turnoff

WEATHER

E13640 (near 3740)





80

Slightly pebbly fairly well sorted rounding mod.
volc sst No Kspen

81

Poorly sorted well rounded
sandy pebble conglomerate
(chert)

Ranch Rd

8.9 take road to left

9.1 Head out ~240° up hill

E13750 (corrected)

113 prob 70% of chert pebble cgl
(E15970) v. low to ground.

B7 same

147 "

177 "

190 near small knob

70% is rusty w/try chert pebble cgl

clasts well rdnd, to 1cm ϕ

sandy zone 000(?) / 24E

sample 79WM80

225 PHOTO OF PEBBLE - COBBLE

Knob (ridge)

CH. CAL

necessure w/try lens 010/30E

pebbles close packing (touch)

poorly sorted oralloid well rdnd

necessive pebbles are chert of

alaskitic mat'l

local frag. w/try chalky green

them cemented shears

145/80NE

020 / steep NW

Sample
79WM81

PARTY CHIEF

WEATHER

JOB

DATEPAGE



pc 208 poor bedding 008/20SE

new bry = 830°

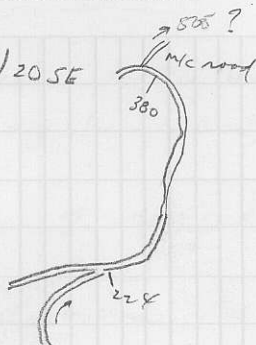
37 o/c ends

137 road

172 swung rt

224 Ranch Road

505 MIC



on way to swbk on Haulage Road

"Rhy" o/c - float from it is pale
green felds dacite w. cherty matrix
to frag volc of same compn
sim. to Prom. Hills mat'l
loc chl alt patches

LUNCH

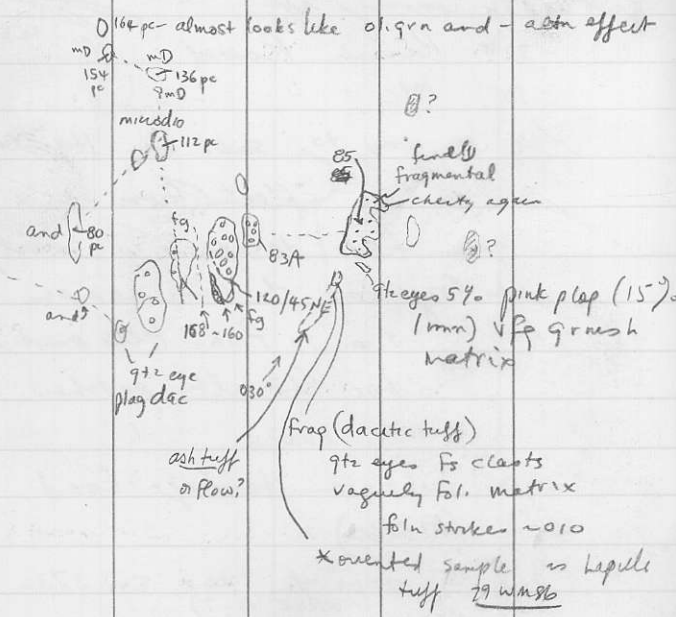
10.55 Swbk on Haulage Road
(E13260)

11.6 In grove of trees E1 3730
(FENCE 11.7)

11.8 E13940

Leave MIC head eastward

Pace not kept - E1 3900 middle of
meadow is "knob" of o/c 75' of
bry 255+ of valley



[82] Green dacitic flow top bx
(K actn?)

[83] DK ol grn frag - looking 9tz eye
play dacite



83A
83B

PARTY CHIEF
9tz Eye Play Dacite flow?
WEATHER
9tz Eye chl patch "cherty" dacite

west edge of o/c - apple green highly amygd
 amygd (cal-grt, cal-ep avg 1mm or less)
 Amygd 30%
 local pods to 1m of ep-cal-
 grt altn

The whole o/c is the same - a
 flow top? Rock variably looks
 dacitic or andesitic (pale - dk green)

Locally fragmental - red (flow top
 pieces?)

sample 79-WM-82

In one spot, epid altn makes the rock
 look pillowed

FLAT LYING FLOW?

125 low % of ep fr (pers, inch scale) dk green
 andesite mod mag
 chloritized

135 pale olive green feldspathic (15% v/mm)
 glassy grt eyes (5% $\frac{1}{2}$ -3mm) dacite
 sample 79-WM-83

206 on the way down steep bank

84 Grnsh white vfg rock with
wispy chloritic patches or
fracture coatings.

Fair K stain

VFG DACITE?

85 Frag Volc - clasts & matrix
same compsn. Clasts are all
plag gtz eye cherty grnsh white
dacite - matrix swirled-looking.

86 oriented sample - Green dacite
lapilli tuff

Possibly Lvs layering
at low ϕ to SW

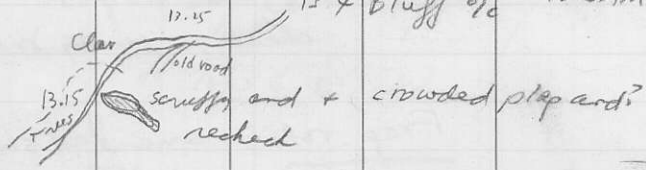
87

Chl cal amygd dk gray
andesite (holerine
vfg)

*296 one area looks like it has
small pillows (15cm)

Following fence 362 Gate
445 mic

13.7 Turnoff used
13.4 Bluff etc this AM



along o/c with sample 86 - text varies from
ash → L tuff → cherty (flow?)

0-15 maybe frag

15-31 frag

31-41 no o/c

41 → Big o/c

new page

28 o/c on ridge bearing 200° (~800' est)
single tree near then

53 o/c with ~~FF~~ FF + andesite nearby
no also box'd locally

80 DK grn and or is it dac andesite?
big 020

101 low o/c of epid chl microdior
strongly magnetic

Heading back to mtc

280 prob o/c of amyg andesite
(nearly microdior)
Sample 79 WM 87

290 DK gray mod mag chl plag
andesite Plag 15%, 1mm

← * 296 Epid Amyg dk ol grn and

PARTY CHIEF

WEATHER

88

DK gray felds frag volc
hem-specularite veinlets

Andesitic ash-lap tuff

88A

Felds sandy → silty dk

gray volcanic sedimentary

rock. Bedded.

Frag to 3mm.

JOB

Chatto - Bay - Gadey Ck Traverse

DATE

15/7/79

PAGE

61

leave truck at corner on
 showing access road
 Traverse 270° to creek (125 pc)
 up creek 57 pc - outcrop - east bank

De maroon felsic tuff? contact
 with green cherty tuff

055/675E

Rock is grn \rightarrow maroon silty to
 sandy felsic volc tuff or gneiss

Sample 79 WM 88

Frag aligned 048°

Bedding is loc evidence on
 5cm + scale in float

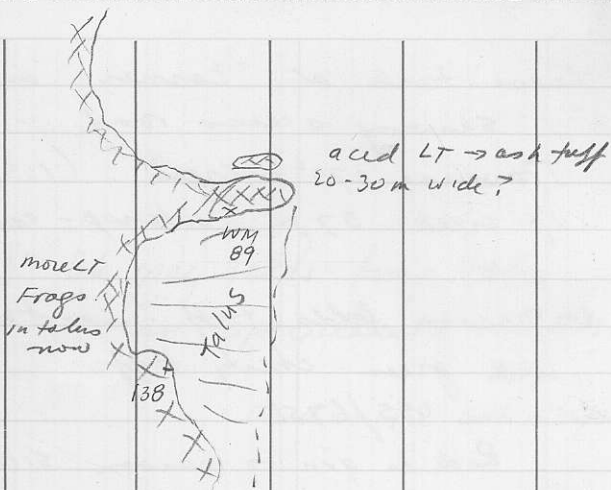
page 80 Star headed across to
 ore's across the creek
 mine wall star on fr
 here.

all frag but ^{frag} size varies to
 ~ 5 mm locally - some
 pretty apple green.

PARTY CHIEF

WEATHER


 NW
 wade



89

Dark to lt gray acid/basic
 med. green dacitic
 ash to lapilli tuff

PARTY CHIEF

WEATHER

DE grn and dyke 040/80SE /m
fg

Green - dk maroon clastic (volc
seds) - all have fs xls + red clasts

DYKES VERY COMMON

some are maroon plug and

138 Silty zone in maroon Lapelle tuff
039/67SE

Rock COMPSN ANDESITIC

overall - range is and → dacite
compsn I think

around 15% Talus grn LT is chl + ep
LT more
abund. altered but also has
some acid frags

172 acid (dacite) tuff w. ash matrix
& scattered lapilli - white wtrg
hard, brittle, rings

187 Pale grn wtrg grn acid LT
Sample 79WM 89
Flattened chlorite frags

PARTY CHIEF Elong 047/108

WEATHER 227
nose of 7c goes 053.

JOB

DATEPAGE

90

Rusty (pyrite) dull olive green
epidotized date?

PARTY CHIEF

WEATHER



250 Talus apple grn ash lap tuff (acid)
 → felds sugary green dacite
 (like that near the showing)
 + graylag andesite (could
 be gneiss)

278 most talus as grn frag volc
 ash → LT

Rusty zone @ 278 - rusty sandy
 tuff + what looks like aplite
 Headed upslope to the 9c

(²⁷⁸upper) 9c is apple grn dacite coarse
 ash tuff (greens arg, 1-3 mm @%)

279 rock is now pale green felds
 dacite

(lichen obscure contact) but
 pale grn rock looks chilled -
 sill? ~~diapir?~~)

285 Pale grn rock continue
 sample 79WM90

91 Similar to 89 green acidic (darker)
ash-lapilli tuff
Epidotized

92 Epidote alt st. pyritic dk
green-gray graywacke
or and. ash tuff

294 siltstone - gwke zone - laminated
- looking fracture pattern - looks
like bedding

040/815E

* Green zone ~ 10-15 m wide *

301 Fairly crowded LT - dk colored
pumice & volc frags
dac - and ?

310 ash tuff loc lap dull grn dacitic

320 chl clast green acid^{ash-lap.} tuff
all acid ash-lap tuff

335 Pyritic clasts Sample 79 WM 91

340-46 Dull green ash tuff

358 Green pyritic LT
onto talus

380 Sugary green felds rock (loc fr py)
dk gray felds and. (predom)

390 Some is and. tuff 79 WM 92

397 And ash lap tuff &
red-brown lap tuff

PARTY CHIEF

WEATHER

Bluffs



Tree

405-15 resistant
pale grn cherty unit

93 chl veined pyritic dk gray
vfg andesite?

94 Ep veined, pyritic, dull
olive green dacite
speckled w. vfg devic. spots

405-15 Chloritic clasts (wispy) make me think this cherty unit is buff

420 79 WM 93 Pyritic mod mag dk gray
andesite
dyke?

424 Pale gray chl mafic plap dacite
→ pale grn felds, cherty looking
rock

430 lg leucocratic acid-looking rock
- has a few % chloritic zones
Tuff?

440 Sugary green lg dacite with
darker py (vfg, 1%)
Sample 79-WM-94

457 Varies to sugary white
pyritic

470 Green vfg cherty rock
wk-mod mag

JOB

DATE PAGE



95 Cherty to sandy possibly

dacitic ash → sandy tuff

Sandy zone has gts eyes

494 Big Talus Slope
 some chl altu zones
 local bleached gtz varved zones
 Creek $\approx 150^\circ$ here

513 Pyritic and green cherty rock

516 Microdiorite - strongly mag, pyritic
 3m wide 045/80SE
 (SILL) chilled borders

592 qc sugary pale gndacite
 pyrite $\frac{1}{2}\%$

630 qc almost at the ck is
 gn dacite but it has areas
 with gtz eyes 79 WMTS

chl - up altu on fr
 little lenses of green gtz

692 Talus pile - dirt Stan
 reset pacer

- 96 Pyritic dk green andesite
ash-lap. tuff
- 97 Greenish white pyritic
chl frag ash tuff → lap tuff
- 97A chl pyritic (5%) Green lapelle
tuff
- 98 Bedded pyritic chl + sp
altered ash tuff
dacite?

Talus has grn rock + purple

tuff now (ash-lap tuff)

also green ash/lap tuff

Float of mag-grt-cal mntz

033 X-rmp metal pipe in talus

57 knots of ep-mag-cal mntz
± actinolite

in o/c - lmy zone - mapped
last year.

63 similar mntz

zone 120°??

ep-act-spec. nodules also

cl dk grn 79 WM 96 fragmental?

pyritic

intrusive?

72 Sugary gray grn ep knots

+ alt. dacitic rock

95 marble / sk / mag float

122 $\frac{1}{2}$ (13) from last yr - at ck

154 Dk grn chloritic pyritic

dacite

up the hill 100' vert

contact 020/60 SE (good) 79 WM 95

PARTY CHIEF

WEATHER

cherty rusty zone

against "banded"

chloritic coarser zone

NW
wade

79 WM

97

[99] Dull olive green tuff with
 black, ^{to elong} irregular clasts (not
 flattened) (96)
 dacitic?

[100] Frag volc - v dk gray
 loc. Rem altn
 Andesite Breccia

above 98 is another skin gun zone
but a good Wtd face shows
it is an acid ash-lap tuff

97A

Ep, chl altn, a few g₃ eyes

180 Talus shows acid ash → Lap.
tuff, some and. LT

Some is hard brittle, ungs,
cherty-looking, has grn gray
reddish & chloritic clasts in
silic. matrix (Iron Mtn type
from sed. unit)

194 90% is gray-grn LT - frap
are magnetite! 79 WM 99

200 DK apple grn pyritic ep + chl
alt ash tuff?

220 Gray grn chloritic dac or dac
and
Rel strongly magnetic

250 Ep fr
Dark green mag - rich fract w.
pink "veins" Sample 79 WM 100

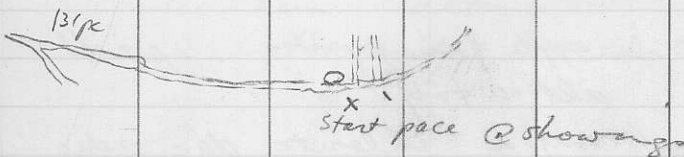
PARTY CHIEF Chl - rich

WEATHER

100A

Chloritic vdk blue-gray
dac - and ?

100B

Dk gray grn dac - and - ^{dessem}
~~speckled~~
to devct. specs

260 Blasted Out Qtz - Spec vein

173/75NE

Qtz Xline Spec in layers

CR dull ol. grn tuff?

269 Dk gray dac and or and

100A

angling up hill

283 supery gray green dac and

294 Some 100B Dull ^{dk} apple grn

305 Grn And LT float

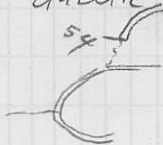
326 top of etc - red fs volc clast
(epidotized clasts) SST

Looping N + climbing - by 350

float is brighter grn again

368 dull dk grn dacitic and.

406 Scruffy road



-END-

on South to Sic / Eagle Bay
ultramafic + intrusive
in Eagle Bay.

76.7 Turnoff

77.2 Road in from left



77.65 main ju - turn rt

78.2 Field on rt - ju -
90 left

80.35 Creek X exp - road to left
parallel ch

80.5 Superhighway



Paul

Barnere

→ Fennel EBL road

Go up Lewis Ck road

Sargent Ck

GRITS

QTZITES

→ MAFIC VOLCS + BX'S

Back to Lewis Ck Road

Crossans area (Blucher ¹⁷⁴²)

Chlortoid Big Seds

Geology along Lewis Ck road
(Lot in cliff)

To Squawan Bay

Top of Cliff - run

section down

mafic volcs (base)

egl @ base

down thru gtr eye rhy.

Homestake " ^{Fels}
site of Basalt

PARTY CHIEF N.A. Shore of Adams Ck

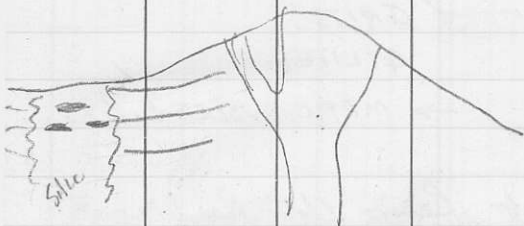
WEATHER marker 1st + seds

Tsunken



Sample 31 taken so far

△ 15 used "



Paul Wedgale
Jasper Way Motel