

092H/15

[JLH]

Hozameen

821047

IDP: altered flow material
→ splotchy green tuffaceous rock
- due to short-term hiatus in
of volcanism → subaerial
weathering early
- not alteration but early
weathering → add to notes

172.201

1983

Sumallo Brook
below Silvertip

June 26/83

- end of road in avalanche at 1255m

21/142 201 head of valley 1495m
basalt / andesite, medium green with
whit chlorite along slickensided
surfaces

- amygdaloidal rarely but
typically aphanitic

- massive but vague pillows
in one d/c

- ct veins

- talus rusty basalt w. py > po
none observed in d/c

21/142 202 along base of cliff 1500m +15

- ribbon chert: various grey +
black, locally well banded,
banded but very contorted

- py very finely diss.
throughout → locally rusty

+1280m

SV 203 +184m 1495me
#2 - ? intermediate VC / mafic VC
? bleached light gray to green,
? sericite alteration w.
silicification
- massive amt Ct veins +
fractures
- py very finely disseminated < 10
esp along Ct veins + blebs of po to 1cm
- interbedded with black cherts

in places catclastic texture →
Opelli sized fragments uncalcareous
matrix
+ chl veins to stringers

SV 204 +228 1575me
#2 - basalt - light green to gray,
diffuse change in colour
- ? sericite, silica alteration
- amt v. fr. irreg Ct stringers
w to po
- very abundant w chl out
along slickensided surfaces

po up to 1% as cm sized
clots assoc. w. green fibrous
actinolite

SV 205 +100M 1575me

H2 ? intrusive or megacrystic - white,
med. x line, granular
- massive

SV 206 +110M 1540me

H2 ? ^{Gt-diopside}
- ~~gran~~ light green with
irregular pink patches elongate
parallel to shear, very calcareous
- actinolite patches
- very granular - no cleavage
visible to →

basalt, med green with
maussinite ? Ep, chlrite
- po in very fine Ct stringers
to to < 1% , very finely disseminated

↔↔ metasomatism near center 0

668

✓ IDP

768

✓ IDP

→ looks more like bleached amygdaloidal
basalt - → with ^{minor} lenses of actinolite
or just so

fizzes in places where lighter green
in colour + coarser x-line

ST 207 o/c at S edge 2nd open
H2 faces w window 1370me
basalt, light green to grey,
variably silicified + sericitized
abnt frct veinlets \pm ch. po
- strong pervasive defnt

- minor anhedral dark brown,
medium crystalline sphalerite
→ ch. sph in some samples

Summit Creek
- no set altimeter

July 27/83
June 27

Claim post 65117 Patti for V. Ryback
July 14/81 onto Bear #2 (2 post)

H2 208 1350me base of waterfall
basalt: massive rusty weathering,
light green to grey, variably
silicified + sericitized, locally
chlorite.
<1% po finely disseminated

4200'

→ Zn !!!

HARVY 3S 2E LCP
July 11/81 532421, 22

at S edge of talus
4100'

rarely ↑ along stringers → cm clots

+ along shears

- in places limy with ? lapilli or cataclastic texture

± Ep

± 170m.

1410me

HZ209 rusty weathering cliff →
basalt, vesicular in places to
? variolitic, vesicles variably
unfilled w chl or v. for x-limo
po

- highly variable from dark green,
chloritic to light green with
some pink → ? silica + sericite

- po in neg. stringers to very fine
diss. to ? corroded cubes + along

→ **BCS 431**

for Ni, Co

- coarser x-limo w chl + local
cathedral dark brown sphalerite
? remobilized veins or recrystall
- only trace overall; rare clots to

Tiro #1 Ryback - Hardy
paper message

v. 4300'

limonitic w. powdery bright yellow
weathering

→ silicification + bleaching

foliation plane.

zld
cm w. po

H2210 into trees N side of slide
N of small creek + 200M
basalt: variable substitution +
sercite max (< 10% to trace mostly)
- po < 1-2% very finely disp.
to coarsely crystalline clots
to 1cm + fine irregular
venulets; trace sphalerite
along fine stringer

→ rusty weathering material
like H2209 but lacking
earthy yellow coating
- angular basalt w.
some pink patches
- po 1% average.

FLOAT

- very weathered, limonitic
coated. 2-3mm w flakes
of sercite 2-3mm below po
+ fine clasts of argillite
- ? portion of vein

immediately across valley from Benis
1485 Me 4 close-spaced
4500' creeks

extends about 50m across in
low scrub

fr. v. fr. xline Cpx

+200m

1495me

HZ211

old workings; at end of
old road
dull sites, cabm - many

basalt, variably vesiculate, chlorite,
silica; in places amygdaloidal
w. po filling amygdules
po 1-2% as fr. des, small
clots

Pus near area of workings

Mss → po to 20% average
2-5% but very erratic

↑ all^y whungers, whears

- lesser → fr. Cpy, sph

- wide variation colour + relief in
in basalt, in places bleached,
with minor chl. along ^{later} fractures
(in places chl → actinonite)

- coarser po in elongate patches
or streaks is with coarser
chl.

- all po abundantly fractured

claim parts all from 1966

Allison Pass Mine
APM ~~III~~

→ very patchy, multi-episode
silicification

- most massive po concentrated along
elongate "veins" with granular
schistose po intergrown with
andesitic to andesitic σ ; "veins" are
elongate || schistosity. ? relation to bedding

- ground mass: variably silicified, ?
bleached mafic vc w. discrete
amygdules filled w. chlorite sparsely
visible

- increasingly bleached zones surround
some of larger coarser crystalline
po areas

Sulphide-rich areas are highly erratic, discontinuous - most like crude linear features but less like veins due to brittle fracture than shears parallel to tectonic fabric with subsequent movement via folding

Po >>> sph >> Crp but highly irregular
Po as large "eyes" ^{or coarse} in places ^{like} to several cm which may be bounded ^{often} by chloritic or actinolitic areas
- tarnishes within hours
- in places crudely banded with dark bro sph interlayered w Φ \rightarrow most ^{like} vein-like crustiform bands \leftarrow very localized

HZ 212 +125m N side of creek.
basalt ped. white to pinkish,
well bleached silicified,
sericitized

Rusty weathering - partly to
to tally limonitic

→ could be pentlandite or just rectorite
PO

→ away from massive areas,
po finely disp in basalts or
concentrated in fr vesicles

→ po to 20% of boulders
locally or across 10cm in
o/c

massive for assay **BCS 422**

- massive samples show well-
defined schistosity

1505me

- looks like Sudbury ore

- abrt. irregular close-spaced
Ct veins \pm po; + po very
finely disseminated
→ overall 1%

- rusty weathering as before
- abundantly calcareous
- tr. v. fr xline cpy w po

- above altinoto readings OK

SUMALLO

logging road w/ bridge w/ June 28/83
leaves main road 150m

HZ 213

1275 m

Basalt, amygdaloidal (flattened
vesicles) → variable green to
white → ? sericite + silica

- chlorite vesicles, dark green same

→ more olive ? Ep

- trace po in irregular blebs - fine!

- well developed whorls

- ? cataclastic textures as lapilli

- strongly effervesces

1220 m Road to E down
towards creek

1075 me road to NW

1250 me road to SE ? lower road

chlorite along slickensided surfaces

desseminated

→ calc unlikely

+1335 road to S upslope + up valley
→ possible o/c

H2214 just before blip down o/c
on air photo 1400m
? metasediment and interbedded
light grey chert
- well bedded on 1-5cm scale but
abundantly folded
- light grey, alut v. fr. filled
fractured
- relaxed strong sheared
fabric but relatively hard, no
effervescence. → phyllitic in places

NOTE: entire valley much ↓
rusty weathering po-bearing
float - tho. such float w. h.
cpy (rounded) in several
places

June 28/83

- finish Sunshine Valley main road

- left off at SF sample w. 3 w/c pillow

HZ215 ↓

- somewhat fresher than brownish
friable exfoliated pillow
selvage

- coarsely v. fine basalt, to
3 vesicles or weathering → 1 cm

- slightly brownish → weathered
centre not selvage

→ B
Pillow

HZ216 +530m

basalt/andesite, upward →
green schistose

- no fizz + very fine
small mm fragment → ash tuff
rather than cataclastic

- interbedded w ribbon cherts,
contorted w/haugholts
partings cherts → B

→ even at centre → ? very vesicular

po 1% very finely disseminated

IDP: mafic metavc
schistose

- texture not
alteration

HZ217 +720m

basalt ? pillowed, very dark
± fr. Ct-filled vesicles, sparse
Q veins; not pieces strongly
effervesce

B << argillites with variable
ants white to grey to black
cherts; locally graphitic
- variably phyllitic, contorted

+ 30 darts intrusive, salt +
pepper colour

- corroded subrounded mafic
xenoliths to several cm in
diam O/C

HZ218 +240m

RIBBON chert: various grey to
black, cm bdd, but very irregular
folds, convoluted

- lesser argillites, up to
beds, very sheared

- fr. py, limonitic unplaces

- vesicles 10% → 0%

- sharp contact weds + much less
contacted → could be fine line dolerite
dyke

- minor py, limonitic

▶ granitic

- but very fine xenolith almost
resembles lapilli

HZ 219 +510m just after S road
cherty argillite to chert,
strongly sheared, H. py, clinoritic

HZ 220 +500m
argillite -> chert as before,
but no clear gradation in ole
between two ? remobilization
w/ flowage ? metamorphism
- very constricted

Plus Granite - intrusive, prod
equigranular w. visible Bi
→ aphanitic

HZ 221
argillite + chert as before

← End of river →

↳ but some chert almost resembles
remobilized vein material

walk wash-out

- copy, locally limited

WRAY Creek

June 30/83

o/c

490m

argillites, bk, locally phyllitic and
hematitic, f. py
- contorted

HZ 222

510m

DYKE

weathered basalt w. possible
pillows - vague spherical shape
- coarsely x-line flow,
slightly weathered with some
exfoliated sheets; brown-grey
to green colour; fossils like
fossils material on Sunshine Valley Rd
but strong effervescence
- sparse Fp phenocrysts

velocity

- sharply X cuts foliation in
surrounding sediment 170° 70° \square W
but wide local crenulations

o/c

+ 220m

530m

resembles coarsely xeno flow
centre

6670

→ abnt crenulab
argillites

4.6

argillites

- minor Quenens → limantic

H2223. +240m^(Total +460m) 565me

- andesite ? - some pieces show some vague lapilli ← ash tuff
- light green to green grey
- variably calcareous
- well sheared to schistose in places; with abnt chloite or siderated surfaces
- minor Ct veins
- interbedded w abnt argillites

H2224 + 240m 585me

- ? basalt / andesite foliated, almost schistose with vague ash fragments
- ↳ cataclastic texture
- ^{green} mica schist in places
- + chloite, ? Bi (green)
- sh py
- no fizz

H2225 + 300m 620me

? andesite, light green with

→ very fine ^{? brown} micaceous patches to splotches

→ green chlorite mica volist

saussurite

IDP:

- too soft to be silicified
saussurite

sparse darker green amygdules
(remnants)

- foliated \rightarrow schistose
- irregular chloritic patches
along slickensided surfaces
- soft
- trace py

+700m road to Berkeley Creek

H \rightarrow 226

+300m

695m

mica schist, ^{light} green, well
developed foliation \rightarrow schistosity

- patchy remnants may be chlorite



160/80° W

interbedded w white chert on

2-5 cm scale, with
small scale convolution

- calcite veins sparse, unreg

+400m \rightarrow landslide blocks
road. 740m

? IDP: how judge islica + sericite

-saurite

→ labelled B/A on map

any gulls remnants

H2227 +310m 795me
Ribbon chert, well bdd. no evident
convolutions, unsmooth o/c →
285/10°S
-alnt @ veins

H2228 +235m 820me
stream o/c
chert, black, massive, conchoidal
fracture, ^{to green} varietal (veins)
- faintly banded in hand
sample scale but o/c appears
massive
+ 1st, dark grey, medium crystalline
beds to .3m thick but
bedding not well defined
? 265/80°S

H2229 +60m 815me
- mica schist (green), variable
'chloritic'
- no remnant texture visible
- unbedded w. carbonaceous
argillites, well sheared, sh. py
- contorted

← chlorite along slickensided
surfaces

→ labelled A/B

- +3.0 Km no o/c
- return to truck
- no o/c visible near road
on opposite side of valley

July 4/83

Silvertip Road
main Ross L. Road

560m

H2230 46m 560m
metavolcanic or
A metasediment, dark brown grey,
weathers dark grey; foliated
- cherty implosions, locally micaceous
hematitic
- no fizz

- abnt large subnd ? dc or
boulders of Q dnt ← maybe
rocks or c else to intrusive
contact → hornfelsed metased or

+634m road around hill

H2 231 +707m to dc at edge of c

↔ photos 15BC 78 101 033, 034
051, 50

to spotted white + grey
→ gneiss, well banded on
fresh face but bands not
otherwise visible
- chloritic ? mica → Biotite gneiss
- ~~lesser~~ coarser crystalline &
actinolite bands
- limonite in places

retire

660me



? metasediment, very dark black,
finely crystalline/grained
no obvious bedding or foliation but
marked schistosity
- sparse fr. meg. Quartz

HZ 232 +150m 635me

- ? metaseds, non effervescent
argillites to ? metapelites,
dark grey to maroon with
weighty coarser lenses
- elongate parallel to bands
- local chloritic patches = py
- sparse py + remnants with
trace Cu stain + single .5cm
+ Lt. dk grey to fully recrystallized

HZ 233 +142m 615me

mag. to intermediate
metavolcanic, light green with
irregular chloritic patches to
sericite surfaces + chl. any gr
- abundant Ct veins + v.
abnt meg. grey along fractures
- Ep, Wausonite, Ct
- probably unroofed ? relatively h.c.

? metapelite; relatively hard tho. not
cherty

→ locally banded with bands defined
by D colour

- ? fossils 1-2mm subround bk

? chitino-phosphatic



TALUS

- cherty and lighter colour in
places

Sawed sample looks more like
metavolcanic but w. patches of lighter
colour.

slab anhedral cpy

Talus: very low + rod but definitely
angular

→ ; possible flow banding

H2234 + 330m 660me
at small creek, very angular
- mafic volcanic, light green
with grey lapilli, calcareous, somewhat
isolated and often schistose
- also est, argillites as previously
- Ct veins

+600m est. 700me
elevation est d/c

H2235 + 18m TALUS
mafic volcanic, schistose, variable
light to dark green w. schist
contact chert
- poss. lapilli tuff in place
+ argillite, schistose ← block
chert
- v. abnt qtz veins

H2236 + 150m TALUS 665me
Chert, block, recrystallized
est \emptyset veins
- near end of 2000' lump

1300m from start of cliff

boulders

green ? chloritic or mica schist

636

+1500m

probable

→ limy lapilli tuff

→ o/c

+1950

HZ 237 +150m 635me
mafic metavolcanic - AMPHIBOLITE/
- light green, schistose; may
be buff & could be cataclast
- ?massive
- may be

HZ 238 +150m 615me
as above, more abundant
moss-covered talus

HZ 239 +150m 635me
chert, block, poorly banded
with interbedded argillites
- abnt. \odot veins
- in places vague fragments
visible

HZ 240 +145m 655me
no dc rimmed above, angular
talus sounds of creek to west
- mafic metaV, local green w
irreg grey patches and extending
out along fractures
schistose \rightarrow schist in places

42100M

isolated exposed pieces of tubes

2850

d/c

with some slightly coarser line
Bi areas along planes of schistosity

→ out to road ± 500 m.
out to gravel pit at W
end of knob.