

BOOK

Nº 290

860798

SAMPLE TYPES

SOIL

BULK TILL	BT
CONVENTIONAL SOIL	XX
ORGANIC	OX

STREAM

BULK SEDIMENT	BS
CONVENTIONAL SILT	SS
HEAVY MINERAL	HM
ORGANIC	OC
PAN CONCENTRATE	PC
WATER	WS
ALLUVIAL	AL

ROCK

BULK ROCK	BR
CHANNEL SAMPLE	CS
CHARACTER SAMPLE	CR
CHIP SAMPLE	RS
DRILL CHIP	DC
DIAMOND DRILL CORE	DD
GRAB	BS
MUCK	MK
SLUDGE	SG
TAILINGS	TG

LAKE

LAKE SEDIMENT	LS
WATER	WL

BIOCHEMISTRY

VEGETATION	VN
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PLACER DOME
INC.

A 7226

PROPERTY: Gerle Gold - Sugar Lake

DATE: 89-07-29 NTS: 82 L/7

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: 392100 E 5591000 N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: Gerle Gold sample.

4756

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7226

SAMPLE
TYPE

- sample taken at contact with biotite-feldspar gneiss, likely a mafic intrusion.
- medium grained, subhedral plates of biotite (2mm, < 40°), amphibole subhedral (2x3mm, < 40°), random orientation/distribution
- minor sulphide (py, cp?) throughout as indicated by degree of oxidation.

PLACER DOME INC.

TAG #

B

SAMPLE #

A 7226

SAMPLE
TYPE

PLACER DOME
INC.

A 7227

PROPERTY: Gerle Gold - Sugar Lake

DATE: 89-07-29 NTS: 02 L/7

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: 392100 E 5891000 N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: Gerle Gold sample 4762.

See Field book for details.

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7227

SAMPLE
TYPE

PLACER DOME
INC.

A 7228

PROPERTY: Gerle Gold - Sugar Lake

DATE: 04-07-29 NTS: 02 L/7

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: 392100 E 5591000 N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: Pond #7 - Grab sample

See Field Book for notes

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7228

SAMPLE
TYPE

PLACER DOME
INC.

A 7229

PROPERTY: Jard L Developed Prospect

DATE: 09-08-02 NTS:

SAMPLER: DBM SAMPLE TYPE: BS

SAMPLE UTM: E N

DRILL HOLE/TRENCH #:

SAMPLE INT: FROM: TO:

REMARKS: 350 X-cut 20m N of

Drift according to Mine plan

PLACER DOME INC.

TAG #

B

SAMPLE #

A 7229

SAMPLE
TYPE

PLACER DOME
INC.

A 7230

PROPERTY: J and L Developed Prospect

DATE: 89-08-02 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 350 N. at 20m N of drill

Chlorite-phyllite unit

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7230

SAMPLE
TYPE

- Unit can be up to 30m thick
- , generally about 5m
- is 4W unit

ate'ite → chlorite phyllite → qtz-saricite
schist → carbonaceous/graphitic
limestone → sphalerite.

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7230

SAMPLE
TYPE

PLACER DOME
INC.

A 7231

PROPERTY: J and L Developed Prospect

DATE: 89-08-02 NTS: _____

SAMPLER: DGM SAMPLE TYPE: B.S.

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: ~~700~~ Face 1-7 +3m

Cataclastic textured sphalerite

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7231

SAMPLE
TYPE

PLACER DOME
INC.

A **7232**

PROPERTY: Keystone

DATE: 87-08-05 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: Adit (see description

89 LH04001

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7232

SAMPLE
TYPE

PLACER DOME
INC.

A **7233**

PROPERTY: keystone

DATE: 09-08-05 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: see Field book

0914DM003

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7233

SAMPLE
TYPE

PLACER DOME
INC.

A 7234

PROPERTY: Keystone

DATE: 09-08-05 NTS: 1

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: See 091110M004

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7234

SAMPLE
TYPE

PLACER DOME
INC.

A **7235**

PROPERTY: Standard

DATE: 09-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: See 09110M009

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7235

SAMPLE
TYPE

PLACER DOME
INC.

A 7236

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: See 8914DM010

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7236

SAMPLE
TYPE

PLACER DOME
INC.

A **7237**

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: See 89140M011

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7237

SAMPLE
TYPE

PLACER DOME
INC.

A 7238

PROPERTY: Standard.

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 8914DM013

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7238

SAMPLE
TYPE

PLACER DOME
INC.

A **7239**

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 8914 DM016

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7239

SAMPLE
TYPE

PLACER DOME
INC.

A 7240

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: 06M SAMPLE TYPE: BS.

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 8914DM017

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7240

SAMPLE
TYPE

PLACER DOME
INC.

A 7241

PROPERTY: Standard

DATE: 09-09-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: B91H0M018

PLACER DOME INC.

TAG #

B

SAMPLE #

A 7241

SAMPLE
TYPE

PLACER DOME
INC.

A 7242

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 8914 DM018a

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7242

SAMPLE
TYPE

PLACER DOME
INC.

A

7243

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 891HDM021

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7243

SAMPLE
TYPE

PLACER DOME
INC.

A 7244

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 8911 DMO24

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7244

SAMPLE
TYPE

PLACER DOME
INC.

A

7245

PROPERTY: Standard

DATE: 89-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 891HDM025

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7245

SAMPLE
TYPE

PLACER DOME
INC.

A 7246

PROPERTY: Standard

DATE: 09-08-07 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 09 LH DM 026

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7246

SAMPLE
TYPE

PLACER DOME
INC.

A 7247

PROPERTY: Montgomery

DATE: 09-08-08 NTS: _____

SAMPLER: DGM SAMPLE TYPE: BS

SAMPLE UTM: _____ E _____ N

DRILL HOLE/TRENCH #: _____

SAMPLE INT: FROM: _____ TO: _____

REMARKS: 09 LHDM030

PLACER DOME INC.

TAG #

B

SAMPLE #

A

7247

SAMPLE
TYPE

Sugar Lake Property

89-07-29. -1

Examination

392100E 5591000N

Ray Martic - immediately at property

- Gerle Gold Sample 4576

4756

- reported to run 0.92 Cu, 0.15 Zn

- sample 7226

4762 1.5% Cu 0.07 Zn PDI* 7227

- lowest sample from which values were returned

- is the footwall of sulphide mineralization

- o/c poorly exposed, about 50cm in diameter, heavily rusted

- Biotite-feldspar gneiss, massive, coarse grained, composed of 70% anhedral Fe white feldspar, random orientation/distribution, biotite, anhedral,

(1-2mm, <25%) randomly oriented/distributed through

- disseminations cpy (1mm, <5%, $\approx 3\%$)

- note could be re-crystallized phase of

nbl-bt-diorite - vague similarities

GG Sample - Panel *7 1.74 Cu 0.89 Zn

Massive sulphide >80% c. gl. po

- notable feature is 50mm, anhedral, coarse

grained clear etc grains, account for 43% of volume.

- south side is bounded by fault trending

030 / 85° F /

- sampling done beginning of July, weathered surface is now covered by white powdering of zinc oxide? PDI sample # 7228.

Gerk Gold Property - west side of Sugar Lake

- reported to be a massive sulphide (VMS)

- access gained via logging roads on east side of Mabel Lake

- little over 1km walk into showing from west

- is at elevation of 1310m = 4300'

- access can also be gained from west side of X Sugar Lake (600m elevation)

- from western access walking down to showing, major rock type is massive,

extremely coarse grained, leucocratic

qtz diorite or qtz syenite

- pegmatitic

- locally contains boots of biotite up to 4-5mm in diameter, <2% of mode.

- qtz grains, grey with a slight violet tinge, subhedral blocky, up to 5mm in

diameter, accounts for <5% of mode

- predominant mineral is subhedral, blathy white feldspar

- coarse grained, up to 10mm to a side.

- as progress down slope rock becomes finer grained,

- higher content of qtz, muscovite, biotite

- recognize two types of feldspars, plagioclase, K-spars

- mild to scottie foliation, gneissic fabric.

- rock is leucocratic, mild foliation

- biotite anhedral, plates lined up along deformation (1x3mm, <3%),

- regularly distributed and oriented throughout

- muscovite grains < 1-1.5mm in diameter, anhedral, randomly oriented/distributed throughout

- accounts for < 7% of volume

- qtz grains subhedral blocky, random orientation distribution, grey in colour (1.3mm, < 7%).

- 60:40 distribution between plagioclase and K-spar

- random orientation, distribution

- all grains anhedral, 2mm in diameter

- rock is gneissic textured granodiorite

west side of gully - immediately above ie. NW of mineralized section.

- reported on schematic, sampling/geology map is diorite

INCORRECT

- can or cannot be

- sample of mildly gneissic feldspar - biotite gneiss.

- anhedral, fine grained (1mm) plagioclase?
grains randomly distributed/oriented
throughout

- accounts for 20% of mode

~~- qtz is similar in character as
feldspar~~

- qtz is not present

- biotite - major mineral, variable
from anhedral to subhedral plates

- randomly oriented/distributed

- two sizes ($\leq 1\text{mm}$, 70%)
(2mm diameter, <10%)

- rock may be an equivalent of a
diabase

- sulphide mineralization is
always associated with this rock
type.

NOTE Possible association of
sulphide accumulated from
mafic composition melt.

- sulphide samples contain some
to large amounts of sulphide.

09-07-30

-6-

Sugar Lake Property - Access from west side
of Sugar Lake

- checking out stream for reported
occurrence of "massive sulphide"

- accompanied by Mr and Mrs Ray Myrtac

- cloudless sky

- Going to be a HOT ONE

- leave Vernon around 8:10 AM, reach
Sugar Lake around 9:40 AM.

2500'

- at about ~~2600'~~ on creek

- good exposure of layered marble containing
clots of qtz as boulders up to (10x2-3cm),
accounts for <5% of volume

- marble is medium grained grey white,
relatively massive in hand specimen,

- randomly oriented/distributed throughout

anhedral py. grains 1-3mm, mean size

1mm, accounts for 3-5% of mode.

- medium to light green, anhedral grains,
(actinolite?) associated with py. grains

- 3mm in diameter, <3-5% of mode

- no sample taken.

layering 092/28° SW *

- Biotite-rich units interbedded/banded with carbonates

- thin (42m)

- PERHAPS - meta mudstones

- represent mud, limestone depositional

environment.

PDI 7229

- silver white qtz'ite, 7902 fine grained
qtz with fine aggregations of white
mica

- white mica most evident on foliation
planes, mild crenulation developed

- is part of ~~fractured unit~~ hanging wall

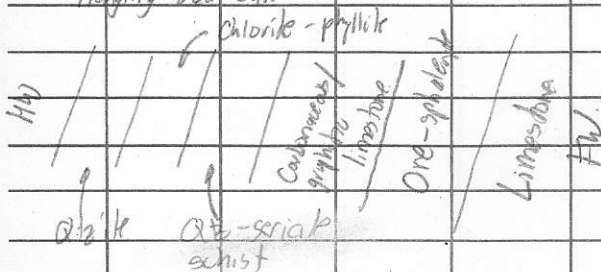
- sample taken on 350 X-cut, about 20m
north of main drift.

PDI 7230

- sample taken adjacent to 7229

- unit can be up to 30m in thickness, however
is generally about 5m

- hanging wall unit



- unit is fine grained, light green, very small
foliation

- banding defined by chlorite interbeds

99-08-02 -9

J&L Property / Mine Tour.

Toivo Taa 662-0260

(Vancouver telephone #)

- J&L Mine Property

- John Wright - Equinox Resources Ltd

- Mine Engineer / Metallurgical
Engineer

Bob Weicker - Chief Geologist - Equinox
Resources Ltd.

←
1mm in thickness, about every 3-4mm

- increases between higher sericite, qtz

aggregate bands

- minor py. disseminations throughout

(~~Stann~~, Cl₂), some grains 1-2mm,

mean size 4mm

PDI 7231 Terminal the cataclastic sphalerite

- rock is composed of fine grained

massive coloured sphalerite, accounts for

70% of rock,

- no compositional banding evident. ⇒

Frequency 165.72

Helicopter CF-KBL

- randomly distributed, consistently oriented
clasts of white or clear qtz and
well banded carbonaceous limestone,

- variable sizes

- qtz $< 2\text{mm}$, in limestone. Some plom.
aligned parallel to deformation.

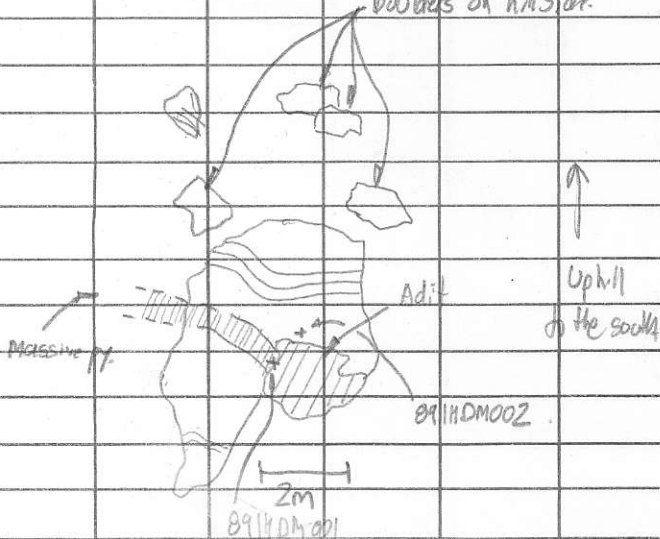
Keystone Peak - Reconnaissance. 89-08-05 -9-

Drop off at 0915 hrs.

- Time to drop off. 37 min 48 seconds
from Reynolds

Pic. 08-09 Looking north from the keystone
showing toward Dennis Peak

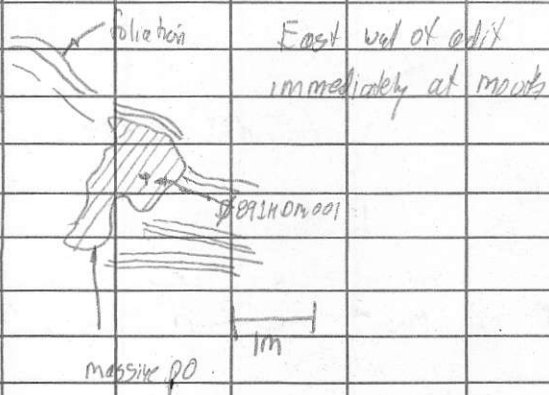
Pic. 10-11 6488' elevation adit, Keystone property.
Boulders on hillsides.



Sketch of adit at 1970m

Sample B91HDM001 PPI 7232

- massive coarse grained pyrrhotite
- Sample is part of pod which does not conform with foliation of wall rock
- Sample taken at mouth of adit
- pod does not continue into adit.



B91HDM002

290/13° NS * Foliation

Hanging wall rock immediately above mouth of adit

- rock is well exposed, moderately well

developed foliation

- rock is light to medium green, fine grained matrix, high matrix Qtz content
- matrix is aggregate of actinolite, chlorite and Qtz, fine grained, accounts for >80% of volume

- randomly oriented/dist'd throughout

- subhedral to anhedral subequant feldspar grains (1 & 2 mm, <7%), mild orientation in plane of foliation

- sheeted / banded Qtz vein/lets, recrystallized 3x1 cm, <5% mode, parallel to subparallel to foliation, has been rotated so is

Pre-deformation Qtz veining

- py grains (<1 mm, <2%) randomly oriented/distributed throughout

- rock could possibly be grit/wadite which has been recrystallized syn-deformation

- does not have texture of volcanic flow or tuff

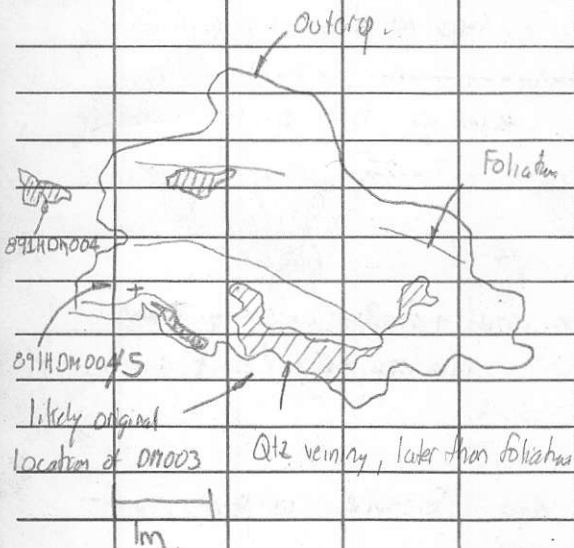
Meta sedimentary rock

-12-

891HOM003 PDI 7233

- sample taken from blasted rubble 2m North of where blasting took place.

- immediately above adit described previously



Above adit looking south

- massive white qtz vein, no grains visible

- contains concentrations of 'ruby' coloured

galena, patches 3cm x 2cm, accounts for $\leq 5\%$ of rock locally

- is medium grained (1-2mm) random orientation/distribution.

- galena may be concentrated adjacent to wall rock

- pyrite - can be semi-massive, coarse grained, subhedral to euhedral & idiomorphic

- random orientation/distribution

- may account for 50% of rock locally, mean content, $< 10\%$

8944 DM004 PDI 7234

- massive, medium grained pyrite, with blebs of galena (coarse grained) (2mm, $< 2\%$)

Py - 80%

Qtz vein 18%

- very limited exposure, rubble o/c, 60cm in diameter

8944 DM005

- host rock is exactly as described in sample DM002

- fine grained, light green, moderately

-14-

well foliated qtz-chlorite-actinolite
schist

- most likely a metasedimentary rock,
has undergone moderate recrystallization
Foliation is wavy but at sample
location 263/50°S *

Traverse down slope from keystone, toward the
north.

- rock is dirty quartzite / psammite.
- fine grained, very siliceous, grey-brown
in colour with a hue of red, (thermal
biotite)
- randomly oriented / distributed throughout,
subparallel to subangular qtz grains
($< 1 \text{ mm}$, 1%), black
- definitely qtz'ite
- indicative of likely pouring in of
terrigenous sediments, sorting is
good, but likely high content of mica's
- sample taken for reference

891HDM006

891HDM007

Sample location at 2115m

Bearing 252° to mouth of Keyshaw Creek
 018° to Downie Peak.

- as proceed up slope, pass through series of boulder specific areas

- gneissic schist \rightarrow mudstone

- tan to rusty brown coloured weathering surface marble, blue tinges on fresh surface, massive.

- mafic flow?

sample location e9110M007 is sample of andesitic to basaltic-andesitic composition rock, conformably overlying rusty weathering, light blue tinged marble.

- rock is well exposed in cliff face, displays mild foliation

- $094/36^{\circ}$ N NOTE Distinct change in dip direction

- W.S - non-descript

F.S - medium green, fine grained, highly calcareous, \rightarrow function of grains not introduced later by qtz-carbonate on

-16-

fracture surfaces

- CaCO_3 accounts for $\approx 20\%$ of volume of rock

- remainder of rock is combination of chlorite, actinolite, fine grained, proportions not recognized.

- rock could be flow, dyke, tuff or impure carbonate-rich sedimentary rock

~~mild foliation suggests flow/dyke~~

~~genesis.~~

~~GREYWACHE?~~

↓
mafic composition
flow.

B914.0M008

- fine to medium grained, medium green, gritty textured, moderately calcareous rock

- actinolite, subequant grains ($< 1\text{mm}$, $< 3\%$) randomly oriented/distributed throughout,

- matrix medium green, chlorite, actinolite, white mica, calcite mafic flow.

- perhaps coarser textured greywacke,

- rock is interbedded with black, fissite, shale/slop

- all boulders, no orientation, but

overlying o/c.

-17-

Sample DM009 taken immediately below white
talline, subhorizontally bedded limestone
- is essentially same sample as 8924 DM008,
fine grained calcareous greywacke.

~~Standard Peak Reconnaissance.~~ 89-08-06

Keystone Peak

Pic 16-17 Keystone Peak as seen from the
north.

Pic 18-19 Downie Peak and adjacent eastern
mountains which are nameless.

Pic 20-21 Downie Peak, one picture
contains my vest hanging from a
cairne marker post, looking north
from summit of Keystone Peak.

Pic 22 Frenchman Cap, as seen looking
south from Keystone Peak.

Keystone Peak 7784'

Pic 2A CF-KBL Bell 206 on top
of Keystone Peak, in process of
picking me up

-18-

Pic 25-26 Adit in east face below
Standard Peak.

Standard Prospect

89-08-07

Trench # 1 Bearing 22° to Standard Peak
 118° to Pass Peak?

(western peak of Beltcher Ice Field)
elevation 1945m

→ POI 7235

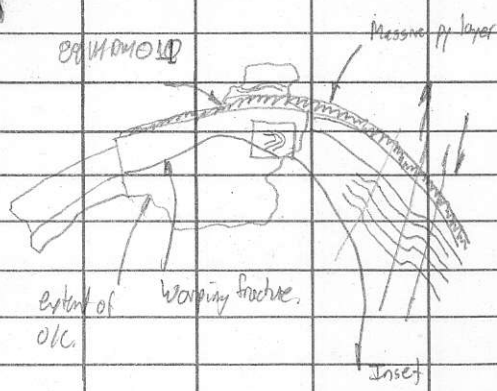
891110M009 - Grab sample from dump on
western edge of trench

- rock is composed of fine to medium grained
aggregate of pyrite and cpy, semi-massive
- difficult to discriminate between sulphides,
both account for 770% of mode
- random ~~oriented~~ distribution, orientation is
parallel to foliation
- grains 1-3mm,
- host rock is medium green in colour, fine grained,
colour and grain size maybe a result of
sulphidization?

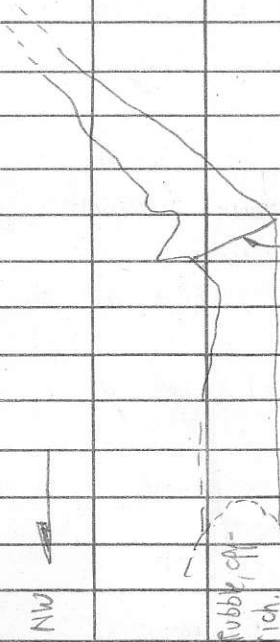
POI 7236

891110M010 - grab sample from dump

- as described in DM 009.



Composite Face drawing
of NW face of trench



Qtz veins

10cm

Trench - Top view
(Plan view)

NW face
of trench

1 m.

DM 009, 010

-20 +

891110M011 PPT 7237

- sample of massive sulphide lvs. as indicated in sketch

- sample interval, about 10cm

Two textures present depending on mineralogy of sample

Py-sample - fine to medium grained, very granular, Py. accounts for about 90% of mode

- very subtle banding may be present defined by rusty 1mm thick interbeds, every 1-2cm.

Cpy sample - is very blebby, grain size varies from <1mm, to 4mm in diameter

- accounts for <15% of mode

- randomly distributed, oriented parallel to foliation?

- grains 1x4mm parallel to foliation / fracture

- matrix is medium green, fine grained, could be mafic volcanic rock

- rock has variable dip as is at hinge of

antiform

-21-

- strikes about 294°


- Plunges 22° E

891401012.

- host rock is very similar to DM007 which was concluded to be a greywacke

- rock is fine grained, light & medium green highly calcareous

- rock is composed of sub-equant shaped calcite grains

 - may be pseudomorphs after plagioclase

- about 1mm in diameter, account for 7% rock, remainder of matrix is likely a fine

grained aggregate of actinolite - chlorite - and calcite

- rock has mild foliation

- could be mafic (basaltic - andesite) flow, compare with DM007

- THIN SECTIONING REQUIRED

- foliation as at top of page

- very rare, subhedral blocky py grains present

22

< 2mm, < 1%

891101013

APIT #1

PPE 7238

- sample taken at mouth of adit

- unit 261°/51°S



Foliation

of host rock

- sample is heavily disseminated with
cpy., grains fine grained, subhedral to euhedral,
randomly oriented, distribution → concentrated
in patches up to 1cm in diameter

- cpy. accounts for < 5% of mode

- matrix ie. host rock is composed of
flesh coloured, subequant shaped,

feld spars (1mm, 15%), randomly oriented/
distributed

- subhedral, tabular actinolite,
(1x2mm, 70%)

- rock could be silicified, coarser
grained flow

- silicification caused by 10cm

thick white qtz veins adjacent to

rock, metasomatism by sulphide addition

Mongin wall unit is tightly pyrite disseminated
mafic flow?

- as previously described in 8911NDM012

- sample taken is 8911NDM014

Pit 27 Down to Peat as seen from K Standard
Basin, north of Standard Peat

Pit 28-29 Adit where samples DM013, 014
were taken

Pit # 1 1m in diameter. poor exposure

- boulders derived from pit, contain very fine
grained, granular textural py. (<1mm, <25-30%),
randomly oriented/distributed throughout, fine
grained, medium to dark green, highly chloritic
mafic flow?

- host rock is mildly foliated

- randomly oriented/distributed throughout

fine grained subequant feldspar grains
(1mm, <7%)

- set in fine grained dark green, highly
chloritic orthopyroxene/feldspar - alkali-rich mafic

- amphiboles - black, anhedral (1mm, <5%)

randomly oriented/distributed throughout.

- sample of mafic taken 8911NDM015

-24-

100/43° E ↘ for Bohadran

Pic 30 well banded massive sulphide
from in front of Main Adit - Standard

Pic 31-32 Adit as seen from waste
dump immediately at entrance

Pic 34-35 well banded massive sulphide,
is referred to as sample

8914 DM020
021

Pic Start → #3 Mafic contact with tan weathering
rock. 8914 DM020

2118m 2nd major adit above the first one
- partially covered by snowfield

- is above #2 drill set-up

- is indicated by timbers 4x6"

- lot of massive sulphide boulders
in tip pile, as well as mafic
volcanic

2128m 3rd major adit, drifts off to
the SW

- ~ 45-50° wince, at entrance

fine grained sulphide, with local coarsening grains of py.

- bands about 10mm in thickness, mono-mineralic banding.

891HDM017 PDI 7240

- as described in 891HDM016 / PDI 7239.

- well laminated/banded py, cpy, po massive sulphide.

891HDM018 PDI 7241

- sample taken from lower, "main" adit of Standard showing

- dump sample, not o/c

- subtly banded cpy, po

- note po - may be fine grained aggregate of po, sph and possibly arsenopyrite

- white calcite is pervasive through groundmass, clots of calcite up to 10x30mm locally present.

- cpy 10%

- po 50%

- calcite 40%

-256-

891HDM018a PDI 7242

- as described in 891HDM018
- banding is better defined

891HDM019

- massive sample taken from in front of Mangadit of standard occurrence
- high concentration of vitreous, amorphous type talc
- is possibly from shear zone, along contact from mafic and ultramafic.
- possible serpentine present
- definite kink banding present

891HDM020

- W.S. Light reddish/pinkish orange-brown
- lobbly texture on W.S
- F.S. Gray, fine grained, individual grains not identifiable
- calcareous groundmass
- magnetic grt
- possibly ~~ent~~ carbonatized ultramafic
- small gr ($< 2\text{mm}$) randomly oriented
- ferrous dolomite veinlets throughout

- accounts for < 5% of mode

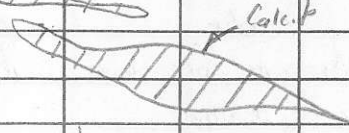
- ferrous dolomite grains (2-3mm, < 9%)
randomly oriented / distributed throughout

8914 DM021 PDI 7243.

- massive fine grained py, accounts
for > 85% of mode

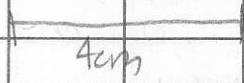
- occasional coarsening of py. grains
to 2mm, subhedral to euhedral

- evidence of shearing / mylonitization
is presence of pink coloured calcite
in grain gaps filling, elongate shapes



Fine grained pyrite

Calc. p



4cm

- matrix is highly calcareous, fine grained/
granitic calcite disseminated through
matrix.

-75d-

09110M022

- Sample taken from main adit area,
- moderately chloritic, calcareous, medium green massive to very mildly foliated
- anhedral white feldspar grains, slightly elongate, $< 1\text{mm}$, 35-40%
- amphibole, black, angular shape, $< 1\text{mm}$ $< 15\%$
- set in aphanitic to fine grained actinolite-rich matrix, medium green
- likely a massive ~~andesite~~ basaltic-andesite flow

09110M024 PDI 7244

- sample taken from rubble in front of upper adit,
- massive pyrite with fine grained calcite matrix
- calcite, pink as elongate patches, elongated in direction of deformation
- py. & fine grained (90%), occasional randomly oriented/distributed coarser grains

py, (1-2mm, <3%)

-75c-

- function of deformation and re-crystallization

- calcite in matrix accounts for 10-15%

of mode

- elongate patches of calcite,

(1.5x3cm, 5%)

891H DM025 PDI 7245

- is fine grained light yellow-grey fr sulphide rock

- sample taken from rubble in front of Adit #3

- pervasive fine grained to crypto-crystalline calcite throughout as matrix

- very effervescent

- minor patches of calcite (5x3mm, <1%)

- dominantly aggregate of py, cpx, perhaps 60:40 distribution

- require analysis to be certain.

891H DM026 PDI 7246

- sample taken from rubble in front of Adit #3

- massive aggregate of fine grained py, cpx and band of po + aspy.

-25f-

- massive py/cpy band 4cm thick,
grey band 1cm thick, possible aggregate
of po + arsenopyrite
- matrix contains fine grained calcite,
perovskite distribution.

on the right.

- NOTE massive sulphide in the pits as well as what appears to be hand clobbering of ore

Pic 4-5 Adit #3, how it looks

Pic 6-7 Looking down on Adit #2, #1

from adit #3 with mountain

Pass Peak in background

Bearing 237° - probably peak 8593'

(nearly positive is unnamed peak)

8911DM025, 026, 027 Massive sulphide samples from front of adit #3

Descriptions of the following samples done on 08-08-10 in Kamloops - the samples were quickly bagged on site.

8911DM016 Main adit PRT 7239

- well banded py, cp, po. - dominantly

py-rich

~~bands~~ py $\leq 50\%$ cp, 30%?

po $\leq 20\%$

-26-

89-00-08

Downie Peak - Montgomery Showing.

Pic 8 Looking south from a spur of
Downie Peak (6414') toward Treestone
Peak

Pic 9 Looking east up Downie Creek

Pic 10, 11 Downie Peak and boulder peak

Pic 12 Looking west over to the east-flank
~~side~~ of the Columbia River with
looking patches and the Mica Dam
Power Line

89111014030 elev. 1680m \approx 5511ft

- sample (grab) of massive non-magnetic
po. and minor cpy. taken from 40cm
thick band of highly oxidized massive
sulphide

- po is very fine grained, massive, no banding
or bedding

- accounts for 80% of mode

- cpy. - as aggregates of very fine grains
into concentrations 1.5cm x 0.5cm

- accounts for 43% of mode

- subrounded grains qtz, clear 22mm

< 1/2 of volume

-27-

- minor re-crystallized, blocks of fine grained, white
qtz, 2x5mm mm, < 1/2

- band of massive po parallel to foliation
in wall rock 111°/55°N

- fernan dolomite 10x15mm, patches.

Wall rock - moderately foliated

Pic 13-14 Two bands of massive po +/- qtz
on spur looking south from Downie
Peak

BLOODY STEEP AREA, VERY
PRECIPITOUS, CLIMBING ROPE
CITY, IMPOSSIBLE IN ANYTHING
BUT THE BEST WEATHER.

- have the impression that the two
po. layers are same individual layer
folded back on itself.

89110M031.

- host rock 128°/33°N for foliation

- has appearance of perhaps being an
intensely recrystallized cherty sedimentary
rock or perhaps even a felsic tuff.

-28-

- rock is fine grained, contains predominantly quartz

- banding defined by

i) increase in white mica content and/or

ii) weathering out of subhedral py. grains to limonite

- micaceous layers 1-3mm in thickness, 2 mm, weather rusty brown

- bands range from 1mm to 6mm, variable mineral composition

- rock is off-white to cream white, rusty to dark grey on lvs.

- is FW as well as HW to sulphide bands.

- from helicopter, area contains two adits but are too cluttered to try to get down to them.

- did bloody well good enough (stupid as it was) to get to the massive sulphide

Slope is $5A^\circ$ - very steep

Pic 15-16 Two peatlands immediately west
of Downie Peak

-recumbent folding evident.

-picture taken from spur south of

Downie Peak at 1890m \approx 6496 ft.

Pic 17-18, 5200' - hovers in CF-HBL

-looking west at adit, assumed to
be driven on massive po.

Pic 19-20 CF-HBL on old Big Bend
Highway south of Mica Dam.

