

015703

TRENCH #1

2.6 metres long

troughing 100° relative true N.

Starts on west side of ridge &
extends across the ridge top

Currently only bedrock exposure - no
trench in rock because compressor broken

Location of west end of trench

42.5 m from dc just below
bed in stream

on bearing 035°
(generally quarter stream)

25 m from edge of stream on bearing
 100°

from W to E -

0m. Dark green chloritic
phyllite weathers to rusty orange
brown. Contains abundant pyrite
disseminated as small grains.

Dominant fltn. 006/90

When exposed @ surface weathers
to silvery grey-white.

40m

Similar dk green chloritic
phyllite. Also dk greenish metallic grey
fine-grained sulphides. Weathers to a
very dark rusty brown.

fltn 178/80w

Host phyllite silvery grey
Sulphides appear to be in 2' thick

Grab Sample

8.5m.

Sulphides - dk. brown in
chloritic phyllite.

Phyllite dk green w/ pale
green soft patches & lenses.

Py & sphalerite no coarse to fine-
grained irregular bands & lenses.

Unit weathers bright orange brown.
Massive & homogeneous. Flns not
readily visible.

— " —

16.2m.

pale ~~dk~~ green to silvery
white muscovite-chlorite phyllite
Weathers to light orange-brown.

Contains abundant disseminated fine
pyrite grains

Moderately soft

s/c - not quite in place.

16.7 - 19.8 m.

light yellow-weathering baritic
glaite

Fresh color light grey. Very soft
w/ sugary texture. Breaks readily w/
hammer.

Heavier than normal rock.

Weather w/ orange rind

In all pieces py (?) grains weathered
out as disseminated holes.

Dominant feld. 0.13/90

Grab samples

More deeply weathered than enclosing
phyllite. Complaint about 3-4' thickness
w/ no bedrock.

Enclosed on both sides by
light grey muscovite-chlorite phyllite.

22m

light silver-cream muscovite - g to
phyllite
Weathers to light brown

Dominant foliation 175/75E

Crab sample

25m

changes to dk green chloritic
phyllite. Similar to phyllite @ start
of bench.

Massive - homogeneous - weathers to
a deep rust brown

Dominant foliation 002/88E

OCTOBER 12/87

Barite trench

D) 15.3m West margin

Consists of med to coarse grained carbonate vein ?? Numerous small, anastomosing stringers of pyrite + galena + ?? + chlorite in coarse grained carbonate matrix - weathers to a deep rust brown to orange brown.

Orientation of pyrite stringers
003/90.

As go to east across to 18.3 m, look like ferricrete. Dk rust brown to orange brown weathering. Looks like pieces of rock in soft, often orange matrix. Weathered pieces look to have a brown porous-angular texture.

② Triangular area in orange rather than reddish brown. Appears to be transition to the basitic horizon. Bedding not visible in basitic material - whole

Block is off grey to light yellow. Immediately adjacent to orange is very soft & gummy - can readily cut it w/ a shovel.

As go further to east becomes harder & more competent. Begins to look like rock w/ compositional banding visible.

compositional banding:
013/86W

③ Changes to orange weathering and around gray core of basitic gneiss.

22.5 m foliations
003/70W

7.1m

fltn 175/76.6

Anastomosing chlorite stringers around
grey gr. carbonate locally weathers
on surface to deep rusty brown

8.6m light yellow weathering rock
quite soft - yet looks like similar

texture of type of material lighter
colour only about 20cm thick

Deep rust-brown weathering has abundant
pyrite stringers

Just west of light yellow very
deep rust brown weathering contains
numerous thin pyrite stringers - also
appears to have other interesting minerals

8.6-10.3

Dk green massive amphibolite.

Feels like hornfelsed Na

readily visible foliation

8.7 f.ln.

Map of Basaltic Horizons in Trench

