

CH Property
862190

CH / SIMILAR ROCK TYPES

1 POLYKITIC TUFF? Mafic.

dk. fg matrix, plag phenos, intrusive fragments
py diss in matrix and fragments

47970E, 51540N

48450E 50500N - silicified, poss kf envelopes

2 Porphyritic Tuff?

- same fine grained matrix as above except only a few larger fragments
plagioclase? phenocrysts altered orange? kf in matrix more

48459E 50460N

48490E 50260N - more fragments, kf alteration

3 Biotite-Plagioclase (Monzonite?)

- biotite 10% plagioclase 30% phenos in fg matrix w primary kf

- some fabric in some. possible qz, plag phenos euhedral but
broken magnetite in matrix

- RS112 400m. - looks more volcanic than others.

- sample from road grid - qz-mg-py-cp stockwork, pf broken, malachite ^{cloudy}

- 49625E 5000N plag 40%, bi 5%, qz-mg-cp veins

chloritic ground mass, plag very orange.

kf in ground mass and in veins.

- 49520E 49420N more fresh like RS112 contains mg, fine
grained xenolith of something.

4

Fine grained plagioclase - biotite quartz monzonite

- wte - yellow matrix of small plagioclase phenos? with phenos of bi, qz, pf
all altered - sericitic

phenocrysts only 5-10% of rock, non-magnetic

50825E 49930N - cb altm intense

50855E 49930N - pf, qz phenos, less altered, no bi, harder, some bi comp ser
cb in matrix, minor

49461E 49980N - intense cb, orange matrix w white pf phenos, some qz
matrix v. fine grained kf in matrix
black specks throughout → 75ppb Au 270ppm As 1612ppm Cu
v. little pyrite

48415E 50820N - silicified, no clay altm, pf phenos vague, bi altered, vague, 5% disspy
minor mg → MAY BELONG W (3) has qz phenos. kf in mx

?

5

Schistose tuff?

- purple hue → biotite

- fine grained light grey plagioclase - kf rich tuff w abundant kf bi discs
and in fractures

- py 5% Fracture and discs

48690E 50120N - contact w light grey w no bi, 5-10% pyrite, bi 5-10%
schistose some pf altered orange

48459E 50460N - kf-py rich rock similar to light grey rock assoc
with hornfels also clast of hornfels stuff
v. hard, heavy, silicified k-f altered dyke?
ghost pf phenocrysts

47980E 50000N Subcrop, almost blastose, contact w orange pf altered
rock → 2? pyrite 5%, bi 5-10%

6 Porphyritic - Amygdaloidal Massive Flows
green, massive, fine grained w. small round spots → pf. phenos.
non magnetic, may be amygdaloidal with qz or cb
cb in matrix

49970E 49560N - qz-cb stockwork, mx

51370E 49020N magnetic, plag phenos 10% small,
fractures w/ chlorite - sericite
some intrusive fragments

R5112 400m similar to 49970E, chloritic, massive, minor
fragments, qz stockwork kf along fractures

7 Diorite

48745E 50125N equigranular, pf, bi, hbl (chloritic)
diss magnetite, minor sulphides

8 Felsic Poly lithic Tuff

fine grained, fragments not very visible, some intrusive, some characteristic as
of (6).

40812E 49946N - Pydiss-veins 5%, minor magnetic.

51370E 49020N - May belong here, not in (6).

49985N 49645E - monzonitic fragments, some orange almost clast supported
mineralized

? 49650E 49990N - plag phenos, biotite matrix, silicified fragments
qz-mg-cp stockwork

9) Sediments

51250E 49000N clast supported rounded qz rich frags (< 5mm di)
py in matrix
Δ in composition from mafic → felsic fragments gives Δ
in colour

TOMS ROCKS

51260N 49475E Diorite-Gabbro → Unit 7
diag & hblt - cbc + bi, ep scuttling veins, minor diss
mg diss throughout; clots py

→ 49560N 50043E → Unit 7?

check:

v. fine grained plagioclase, clin.?
v. fine dissd py, mg
maybe fragmented tuff.

50580N 49155E → ~~Unit 4~~? Rock type?
silicified, qz rich fragments with purple matrix
ep, py in matrix