

SYMBOLS FOR COHERENT TEXTURES

- single line symbols for low to moderate phenocryst abundance
- double line symbols for abundant phenocrysts
- smaller symbols for fine grained phenocrysts
- larger symbols for coarse grained phenocrysts
- additional "+" symbol for coarse, phenocryst-rich granitoid texture

	basalt, poorly to moderately porphyritic basalt
	phenocryst-rich basalt
	andesite, poorly to moderately porphyritic andesite
	phenocryst-rich andesite
	dacite, poorly to moderately porphyritic dacite
	phenocryst-rich dacite
	fine, poorly to moderately porphyritic rhyolite
	coarse, poorly to moderately porphyritic rhyolite
	coarse, phenocryst-rich rhyolite
	coarse rhyolitic porphyry
	flow foliation
	spherulites, lithophysae, alteration spots, nodular devitrification texture

SYMBOLS FOR VOLCANICLASTIC TEXTURES

- closer spaced symbols for dominant grain size and grain type

	pumice or relict pumice
	angular, juvenile lava clasts
	fiamme/vitriclast or relict vitriclast
	accretionary lapilli
	angular, polymict lithic clasts
	rounded, polymict lithic clasts
	mudstone intraclast
	sand-size particles, granular texture
	mud-size particles
	distinct planar stratification
	diffuse planar stratification
	cross bedding
	micro-cross lamination
e.g.	
	pumice clasts in sand matrix
	angular polymict lithic clasts and mudstone intraclasts in sand matrix

SYMBOLS FOR JUVENILE-CLAST-RICH DEPOSITS

	jigsaw-fit texture of fine, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, moderately porphyritic rhyolitic composition
	jigsaw-fit texture of coarse, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, phenocryst-rich rhyolitic composition
	jigsaw-fit texture of coarse phenocryst-rich andesite		pumice-clast-rich deposit, coarse, moderately porphyritic dacitic composition

Fig. 9—Recommended composition and texture symbols for graphic logging of volcanic deposits.

GOLDFIELDS EXPLORATION (ZEEHAN) - ROCK CODES

TYPE
U - Volcanic (general)
V - Volcaniclastic
E - Epiclastic
L - Lava
I - Intrusive

COMPOSITION

R - Rhyolite
Y - Rhyodacite
D - Dacite
A - Andesite
B - Basaltic
F - Felsic
M - Mafic
U - Ultramafic

CRYSTAL TYPE

X - Crystal rich
A - Aphyric
F - Feldspar phyrlic
< - Feldspar - quartz phyrlic
> - Quartz - feldspar phyrlic
Q - Quartz phyrlic
H - Hornblende phyrlic
P - Pyroxene phyrlic
B - Biotite phyrlic
V - Vitric / glassy
L - Lithic rich
R - Reworked, commonly with Carbonate matrix

OTHERS

TILL - Glacial moraine
CLAY - Glacial clays
SILT - Black pyritic siltstone
FALT - Fault
CARB - Massive Carbonate
CBBX - Carbonate breccia
VEIN - Vein
GWAC - Greywacke
CONG - Siliciclastic Conglomerate
SAND - Siliciclastic Sandstone
XXXX/YYYY - Interbedded units

GRAINSIZE

B - Breccia
C - Coarse
M - Medium (Sandy)
F - Fine (Silty)
V - Very fine (Shaley)
A - Ashy
/ - Undifferentiated
X - Crystal Rich
P - Pumiceous

ALTERATION

P - Pyrite
\$ - Mineralised
Q - Quartz
O - Chlorite
C - Carbonate
H - Hematite
S - Sericite
K - K feldspar
A - Albite
E - Epidote
F - Fuchsite
M - Magnetite
L - Limonite

N - Scale

1 - Very Weak
3 - Weak
5 - Moderate
7 - Strong
9 - Intense

eg. AOC7

Strong albite-chlorite-carbonate alteration
(albite>chlorite>carbonate, albite = 7)

Formation Codes

Qg	Quaternary glacial and fluvioglacial deposits
COo	Owen Conglomerate Undifferentiated siliciclastic sediments
Cb	Basalt
Ctl	Tyndall Group Quartz phyric lava
Cttl	Tyndall Group – Lynchford Tuff Feldspar phyric volcanoclastic sandstone
Ctts	Tyndall Group – Sedgwick Sandstone Quartz-feldspar phyric volcanoclastic sandstone and siltstone
Cts	Tyndall Group Predominantly black siltstone
Ccarb	Tyndall Group / Central Volcanics Sequence Massive carbonate horizon
Ca	Anthony Road Andesite Feldspar-hornblende phyric lava and breccia
Cav	Anthony Road Andesite Andesitic volcanoclastic sediments
Cp	Anthony Road Andesite (Suite II) / Suite I Quartz-feldspar-(hornblende) phyric rhyolitic to andesitic porphyry
Ccv/Ccvi	Central Volcanics Sequence Predominantly feldspar phyric pumiceous volcanoclastic sandstone
Ccvc	Central Volcanics Sequence Carbonate clast bearing feldspar phyric pumiceous volcanoclastic sandstone
Ccva	Central Volcanics Sequence Ashy siltstone
Ccvs	Central Volcanics Sequence Black siltstone
Ccvq	Central Volcanics Sequence Quartz-feldspar phyric volcanoclastic sediments and lavas
Ccvl/Ccl	Central Volcanics Sequence Feldspar phyric lava and lava breccia
Ccvlq	Central Volcanics Sequence Quartz-feldspar phyric lava and lava breccia
Cy	Yolande River Sequence Undifferentiated quartz-feldspar phyric volcanoclastic sediments
Cys	Yolande River Sequence Quartz-feldspar phyric volcanoclastic sandstone
Cyss	Yolande River Sequence Black siltstone
VEIN	Vein
FALT	Fault