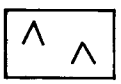
SYMBOLS FOR COHERENT TEXTURES

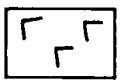
- single line symbols for low to moderate phenocryst abundance
- double line symbols for abundant phenocrysts
- smaller symbols for fine grained phenocrysts
- larger symbols for coarse grained phenocrysts
- additional "+" symbol for coarse, phenocryst-rich granitoid texture


basalt, poorly to moderately porphyritic basalt


phenocryst-rich basalt

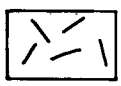

andesite, poorly to moderately porphyritic andesite


phenocryst-rich andesite

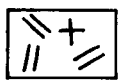

dacite, poorly to moderately porphyritic dacite


phenocryst-rich dacite

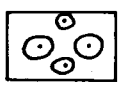

fine, poorly to moderately porphyritic rhyolite


coarse, poorly to moderately porphyritic rhyolite


coarse, phenocryst-rich rhyolite


coarse rhyolitic porphyry

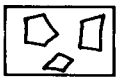

flow foliation

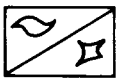

spherulites, lithophysae, alteration spots, nodular devitrification texture

SYMBOLS FOR VOLCANICLASTIC TEXTURES

- closer spaced symbols for dominant grain size and grain type

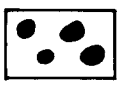

pumice or relict pumice


angular, juvenile lava clasts

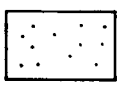

fiamme/
vitriclast or relict vitriclast

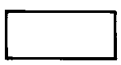

accretionary lapilli

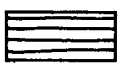

angular, polymict lithic clasts

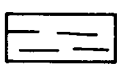

rounded, polymict lithic clasts


mudstone intraclast

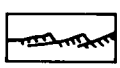

sand-size particles, granular texture


mud-size particles

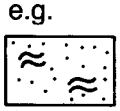

distinct planar stratification


diffuse planar stratification


cross bedding


micro-cross lamination

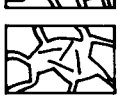
e.g.


pumice clasts in sand matrix

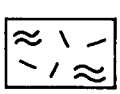

angular polymict lithic clasts and mudstone intraclasts in sand matrix

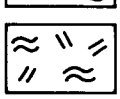
SYMBOLS FOR JUVENILE-CLAST-RICH DEPOSITS


jigsaw-fit texture of fine, moderately porphyritic rhyolite


jigsaw-fit texture of coarse, moderately porphyritic rhyolite


jigsaw-fit texture of coarse phenocryst-rich andesite


pumice-clast-rich deposit, coarse, moderately porphyritic rhyolitic composition


pumice-clast-rich deposit, coarse, phenocryst-rich rhyolitic composition

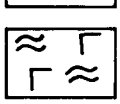

pumice-clast-rich deposit, coarse, moderately porphyritic dacitic composition

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

From:- McPhie, Doyle and Allen, 1993

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 phyric
< - Feldspar - quartz phyric
> - Quartz - feldspar phyric
Q - Quartz phyric
H - Hornblende phyric
P - Pyroxene phyric
B - Biotite phyric
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
COrgu	Rosebery Group Undifferentiated sediments
Cb	Basalt Dyke
Ccv	Central Volcanics Sequence Predominantly feldspar phyric pumiceous volaniclastic Sandstone
Ccvvt	Central Volcanics Sequence Ashy siltstone
Ccvl	Central Volcanics Sequence Feldspar phyric lava and lava breccia
VEIN	Vein
FALT	Fault