Lithology Tree

1.TYPE

- V Volcanic
- C Volcaniclastic
- I Intrusive
- S Sedimentary
- M Metamorphic
- X Undifferentiated

2.COMPOSITION

- Felsic F
- Rhyolitic R
- Dacitic D
- Intermediate I
- Andesitic N
- Mafic M
- Basaltic B
- Ultramafic U
- Mixed E
- Polymict P
- Siliclastic S
- Calcareous C
- Granulite G
- Amphibolite A
- Greenschist T
- Undifferentiated X
- Unconsolidated Z
- Carbonaceouss O
- Lava L

3.ROCK CODE

Alluvium	AL
Colluvium	CO
Clay	CL
Glacial	GL
Conglomerate	CG
Grit	GR
Sandstone	SA
Siltstone	SI
Shale	SH
Mudstone	MU
Greywacke	GW
Lithicwacke	LW
Chert	CT
Quartzite	QZ
Limestone	LS
Dolomite	DL
Mass Flow	MF
Breccia	BR
Gniess	GN
Phyllite	PH
Schist	SC
Skarn	SK
Marble	MA
Rhyolite	RH
Dacite	DA
Andesite	AN
Basalt	BA
Porphyry	PO
Granite	GR
Grandiorite	GD
Diorite	DI
Dolerite	DO
Gabbro	GA
Serpentinite	SE
Undifferentiated	XX

COLOUR

pk	Pink	or	Orange
bn	Brown	yl	Yellow
gy	Grey	bk	Black
rd	Red	gn	Green

GRAINSIZE

fg	Fine	mg	Medium
cg	Course	peb	Pebble

MINERALS

qtz	Quartz	fsp	Feldspar
mic	Mica	ser	Sericite
chl	Chlorite	bar	Barite
Mn	Manganese	Fe	Geothite
dol	Dolomitic	car	Carbonate
pyr	Pyrite	gal	Galena
sph	Sphalerite	sil	Silicification

OTHER

mag	Magnetic	pum	Pumiceous
bed	Bedded	lam	Laminated
int	Interbedded	fol	Foliated
clud	Cleaved	shd	Sheared
alt	Altered		

ie: gy CFSA mg qtz-fsp
grey volcaniclastic felsic sandstone, medium grained, quartz-feldspar

376200 mE 376400 mE 376600 mE 376800 mE 377000 mE 377200 mE 377400 mE 377600 mE 377800 mE

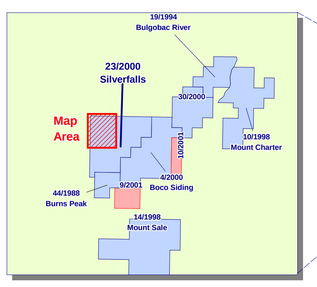
5390600 mN 5390400 mN 5390200 mN 5390000 mN 5389800 mN 5389600 mN 5389400 mN 5389200 mN 5389000 mN 5388800 mN 5388600 mN 5388400 mN 5388200 mN

gy SXSA mic
gy SSQZ int SXSA fg, oc
bk SXSA fg qtz-mic
gy-bn SXSA mg qtz-mic
bk SXSH/BR
bk SXSH int gy SXSA fg qtz
gy SXSA mg qtz
gy SXSA fg mic int gy SXSI
gy SXSI clvd
gy-wh SXSI qtz
gy SXSA fg-mg qtz
bn SXSI int bn SXSA fg
gy SXSA fg qtz int SXSI
wh-bk SXBR qtz
wh-cm SXGR fsp
wh-pk SXGR fsp-ser-Mn
wh-bn SXSA fg ser
wh SXSA fg qtz int wh SXSI
gy-or SXSA mg qtz-fsp
wh-bn SXCG sub rnd qtz
gy SXSA mg mic
bn SXSA mg qtz
bn SXSI mic clvd
wh SXSA mic
gy SXSI qtz veins
bn SXSI
pk-wh SXSA fg qtz veins
CXSA fg qtz-fsp
gn-bk CMSA fg
gy SXSA fg-mg
gy SXSA mg qtz-fsp
gy SXSA cg qtz veins
gy SXSA mg fsp
SMCG sub rnd lithics
SMCG
gy SXSA mg
gy SXSA fg qtz
gy SXSI
bn SXSI int or-bn SXSA mg
wh-gy SXSA mg qtz
or-bn CXSA mg (some cg clasts)
gy SXSA fg int gy SXSI
rd-gy SXSA fg-mg mg
gy SSQZ
gy SXSA qtz
gy SXSA mg fsp > qtz
gy SXSA fg int bk SXSH
bk-wh SXBR cg
gy SXSA fg qtz-mic
wh-bk SFSA cg fsp-qtz
gy SXSA fg qtz veins
gy SXSH int gy SXSA fg
VFBR fsp ser alt
gy SXSI
gy SSQZ
pk-bk SFCG peb qtz-fsp
gy SSQZ // SXBR qtz
bk-wh SFSA cg clastic
gy-or SFSA cg qtz-ser
gy-or SFSA fg-mg qtz-fsp
bn SFSA mg qtz-fsp
pk SECG angl
gy-bn SECG angl - gy SXSA fg
SECG sub-rnd lithics
gy SXSA fg qtz
gy CMSA fg-mg
gy SXSI
gy SXSI int or-gy SXSA mg fsp > qtz
gy SXSA qtz-fsp mic
SFSA cg qtz-fsp
VFBR Mn-ser-sil alt
gy SSQZ
bn SXSI
gy SZCL shd
SFSA vcg qtz-fsp
VFBR ser alt pyr-gal-sph-bar veins (337026)
gy SXSI dol
SSBR
VFBR ser alt qtz-pyr-gal-sph veins
SFCG peb qtz-fsp Fe-Mn-ser alt
gy SXSI fg
gn-pk VFBR fsp-ser-gal
VFBR fsp pyr-gal-sph (337027)
or-wh SFSA vcg qtz-fsp-ser-pum
gy-bn SXSA fg int SXSI qtz-mic
gy-bn SSQZ mm scale qtz veins
bk SMLW cg
VFBR fsp Fe-Mn-carb alt int bn SFSI
gy-or SFSA cg qtz-fsp
wh SZCL
gy-bn SXGW
gy-bn SXSA mg fsp
or IFPO qtz
gy SXSI
or-gy SXSA fg fsp > qtz
gy-bk SXSA fg mic
VFBR sil-ser-Mn-pyr-gal
SXSA fg mic-qtz fol
SXSA cg qtz-fsp
SXLW
pk-gy SFSA mg-cg qtz-fsp (x'al rich)
SFSA cg qtz
or SFSA mg qtz-fsp
gn-or SXSA fg-mg
wh SXSH int SXSI clvd
gy-bk CMMF mag
gy SXSI
wh-gy SXSA fg fsp
gy SXSA mg qtz-fsp
gy SXSI int gy SXSA mg qtz
bk SXSH
wh-gy SXSH int or SXSA mg
gy SXSA cg qtz
SZGR mg qtz-Mn
gy-bn SSQZ mm scale qtz veins
gy SSQZ
SXSA mg-cg qtz-fsp
bk SXSH int SXSA fg mic
gy SSQZ
bk SXSA fg int bk SXSH
gy-wh SXSA mg
gy-wh SXSA mg fsp
gn-or SXSA cg qtz-fsp mag
rd-or SFSA cg / or-bn SXCG qtz-fsp
bn-or SXSA mg-cg qtz-mic-Mn+/-fsp
gy SXSA mg qtz int gy-or SXSH
or SXSI int or-gy SXSA mg Mn-qtz
gy SSQZ
CXSA qtz-fsp-chl
SXSA fg sil
gy SXSI sil int SXSA fg
gy SXSA fg qtz-mic
bk-gy CFSA qtz-fsp Mn sil
gy SXSI int SXSA mg
gy-wh SXSA qtz-fsp sil
gy SXSA fg qtz int gy SXSI sil
gy SXSA fg qtz
gy-wh SXSA mg qtz-fsp non-mag sil
gy-bk SXSI lam SESH
wh-or SZCL
bn SXSI
bk CMMF (lithic & volc clasts) mag
bn SZCL
rd-bk SZCL
gy-wh SXSA (337029)
gy-wh SXSA qtz-fsp sil
gy SXSI sil
bk VUMF (incl. lithic clasts) pepperitic margin?
bk-gn CESA cg qtz-fsp
gy SXSA fg mic
gy SXSH qtz veins int gy-wh SXSA fg sil
gy SXSI
gy-wh SXSI sil
VFBR ser-sil aft shd pumiceous? mm scale qt veinin
or-bn SXSA cg qtz-fsp
gy-bk CMMF mag
gy-bk CXMF
or SXSA cg qtz
or SXSA cg qtz int bk SXSH wh qtz veins
gy SXSH int SXSI
gy SXSI int SXSH small scale folding
gy SXSH int SXSI
gy SXSA mg int yl-bn SXSI
bn SXSA fg int wh-yl SXSI
or-bn SXSA fg-mg mic
gy SXSA fg-mg qtz-min int SXSI
SXSA fg-mg chl int SXSI
or-bn SXSA mic
bk SXSH int bk SMSA mg mic ser patches & qtz veining
bk-gy SXSA fg qtz
bk SXSH lam int gy SXSI mm-cm scale wh qtz veining
bk SXSH-SI int SXSA mg qtz
gy SXSA mg-cg qtz
wh-gy CFSA mg
gy-wh CFSA qtz
gy SXSI
bk CXSA mag
gy SXSI mic
wh-gy CFSA mg bk chl spots

80 85 75 80 65 45 42 40 90 70 65 35 30 60 45 55 70 30 60 45 80 80 75 15 75 20 42 40 45 70 65 35 70 40 25 26 45 35 32 90 24 30 80 75 40 45 15 45

Legend

- Drainage
- Traverse Locations
- Access
- Rock Float / Outcrop Locations
- Cleavage
- Bedding
- Younging
- Beeding Vertical
- Fault
- Joint
- Anticline
- Syncline
- Foliation



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PASMINCO EXPLORATION

TASMANIA

Author: T. Briggs
Date: 28/06/2001
Map 1
Drawn: IO Digital - MJS
Ref: PAS_01_387
Projection: AMG z55 (AGD66)

Silver falls EL 23/00
Factual Geology

Scale: 1:2500
0 75 150
metres