

LITHOLOGY
GENERAL IGNEOUS / INTRUSIVE

Gad	Adamellite
Gan	Andesite
Gao	Anorthosite
Gap	Aplite
Gbm	monzogabbro
Gbn	gabbro
Gcb	Carbonatite
Gcp	Clinopyroxenite
Gdc	Dacite
Gdl	Dolerite
Gdm	monzodiorite
Gdn	Dunite
Gdq	quartz diorite
Gdr	Diorite
Gfi	felsic intrusive
Gfp	feldspar porphyry
Gft	Felsite
Gfu	felsic rock undiff
Ggb	Gabbro
Ggd	Granodiorite
Ggh	hornblende gabbro
Ggm	monzogranite
Ggp	Granophyre
Ggs	syenogranite
Ggt	Granite (sensu stricto)
Ggu	Granitic rock undiff, granitoid
Ghb	Hornblendite
Ghz	Harzburgite
Gii	intermediate intrusive
Giu	Intermediate rock unclassified
Gkb	Kimberlite
Glg	Leucogranite
Glm	Lamprophyre
Gmi	mafic intrusive
Gmu	Mafic Rock undiff
Gmz	Monzonite
Gnr	Norite
Gop	Orthopyroxenite
Gpb	Check
Gpg	Pegmatite
Gpp	Porphyry
Gpr	Peridotite
Gpy	Pyroxenite
Gqb	quartz monzogabbro
Gqd	Diorite
Gqg	Quartz gabbro
Gql	Quartz latite
Gqn	quartz monzodiorite
Gqm	Quartz monzonite
Gqp	quartz porphyry
Gqs	quartz syenite
Grd	Rhyodacite
Gry	Rhyolite
Gsp	Serpentinite
Gsy	Syenite
Gta	Trachyandesite
Gtj	Trondhjemite
Gto	Tonalite
Gtr	Trachyte
Gum	Ultramafic general
Guu	Igneous rock undiff

METAMORPHIC

Mag	augen gneiss
Mam	Amphibolite
Mcs	Calc-silicate
Mec	eclogite
Mes	Endoskarn
Mfs	Felsic schist
Mgf	Granofels
Mgn	Gneiss
Mgr	Granulite
Mhf	Hornfels
Mmb	Marble
Mmi	Migmatite
Mms	Mafic schist
Mmt	metasomatite
Mmu	Metamorphic undiff
Moa	Orthoamphibolite
Mog	Orthogneiss
Mpa	Para-amphibolite
Mpg	Paragneiss
Mph	Phyllite
Msc	Schist

Msk	Skarn
Mst	Slate
Msu	Metasediment general
Mum	Ultramafic schist
Mvu	Metavolcanic general
Mxs	Exoskarn

OVERBURDEN / REGOLITH

Oal	Alluvium
Obt	Bauxite
Obx	Regolithic breccia
Occ	Calcrete
Ocl	Colluvium
Ocp	Caprock
Ocy	Clay
Odu	Duricrust general
Oel	Eluvium
Ofc	Ferricrete
Ogo	Gossan
Ogq	gossanous quartz
Ogr	grus
Ogv	Gravel
Ogy	Gypcrete
Ohm	Humus
Ohp	Hardpan
Ois	Ironstone
Olg	Lag (gravel)
Oln	Lignite
Olo	Loam
Ols	loess
Olt	Laterite
Omd	Mud
Omg	Magnesite rock (weathering rel'd)
Oou	General
Opi	pisolitic ironstone
Opl	pisolite
Ops	podsol
Orb	rubble
Osa	A-horizon soil
Osb	B-horizon soil
Osc	C-horizon soil
Osk	scree
Osl	silt, unconsolidated
Osn	sand, unconsolidated
Osp	saprolite
Osx	saprock
Ost	silcrete
Osu	general

BASEMENT ROCK

Raz	altered rock
Rbk	bedrock
Rbx	breccia
Rcb	carbonate rock undiff
Rcc	cataclasite
Rck	rock
Rcp	caprock
Rcs	calc-silicate rock
Rcv	cavity
Rcy	clay
Rfb	breccia
Rfz	fault rock or zone undiff
Rgs	Greisen
Rgx	Gouge
Rku	Rock general or uncategorised
Rln	Not logged
Rls	lower Saprolite
Rmm	magnetite rock
Rmn	manganese rock
Rmq	massive quartz
Rms	Massive any mineral
Rmy	Mylonite
Rnb	Not rock - backfilled stope
Rnc	Not rock - contamination
Rnh	Not rock - hole
Rnp	Not rock - stope
Rns	Not rock - no sample return
Rnw	Not rock - wood
Ror	ore
Rph	Phyllonite
Rpz	pallid zone
Rqm	quartz magnetite rock
Rsm	massive sulphide
Rsp	Saprolite
Rsr	Saprock

Rss	sulphide-rich material
Rsz	Sheared zone or rock undiff
Rtt	Tectonite
Rus	upper Saprolite
Ruu	Unidentified rock
Rvb	vein breccia
Rvc	Carbonate vein
Rvq	Quartz vein
Rvu	Vein general
Rxf	oxide iron formation

SEDIMENTARY

Sag	Argillite
Sak	Arkose
Sam	amber
San	anthracite
Sar	Arenite
Sbc	biocarbonate
Sbf	banded iron formation
Sbl	boulder
Sbm	biomicrite
Sbo	Boundstone (carbonate)
Sbp	biosparite
Sbt	bitumen
Sbx	Sedimentary breccia
Sca	Calcarene
Scb	clast supported breccia
Scg	Conglomerate
Sch	chalk
Sci	carbonate iron formation
Scl	Calclutite
Sco	Coal
Scq	coquina
Scr	Calclutite
Scs	clast
Sct	Chert
Scy	Claystone
Sdc	Dolomite
Sdi	Diatomite
Sdl	dolostone
Sdm	Diamictite
Sdu	Sediment general, undiff
Sed	sediment
Sep	epiclastic rock
Sev	evaporite
Sex	Exhalite
Sfn	fanglomerate
Sfs	fossil
Sft	flint
Sgr	Grit
Sgs	Grainstone (carbonate)
Sgw	Greywacke
Sic	Iron frm carbonate facies
Sif	Iron formation general
Sil	Iron frm silicate facies
Sin	sinter
Sio	Iron formation oxide facies
Sis	Iron frm sulphide facies
Sjs	Jaspilite, jasper
Slm	Limestone
Smb	matrix supported breccia
Smc	Micrite
Smd	Mudstone
Smg	Magnesite rock (sed)
Smi	magnetite iron formation
Sml	Marl
Spa	Packstone (carbonate)
Spe	Pelite
Sph	Phosphorite
Spm	psammopelite
Sps	Psammite
Spt	peat
Sqh	quartz-hematite breccia
Sqo	Orthoquartzite
Sqt	Quartzite
Sqx	quartz breccia
Srd	Rudite
Srs	Rudstone (carbonate)
Ssa	Subarkose
Ssf	sulphide iron formation
Ssg	Subgreywacke
Ssh	Shale
Ssl	Siltstone
Ssn	Sandstone
Stb	Turbidite

Sti	Tillite
Stl	till
Stv	travertine
Swk	Wacke

TUFF

Tan	Andesitic tuff
Tdc	Dacitic tuff
Tll	Lithic tuff
Tlv	Lithic vitric tuff
Tlx	Lithic crystal tuff
Try	Rhyolitic tuff
Tta	Andesitic tuff
Ttc	Trachytic tuff
Ttf	Felsic tuff
Tti	Intermediate tuff
Ttm	Mafic tuff
Ttu	Tuff general
Tum	Ultramafic tuff
Tvl	Vitric lithic tuff
Tvv	Vitric tuff
Tvx	Vitric crystal tuff
Txl	Crystal lithic tuff
Txx	Crystal vitric tuff
Txx	Crystal tuff

VOLCANIC / VOLCANICLASTIC

Vag	Agglomerate, volcanic
Van	Andesite volcanic
Vas	ash
Vbb	bomb, block tephra
Vbs	Basalt
Vdc	Dacitic volcanic
Vft	Felsitic volcanic
Vhm	High magnesium basalt
Vig	Ignimbrite
Vkm	Komatilite
Vkt	Keratophyre (volcanic)
Vlh	Lahar
Vlt	lapilli tuff
Vob	Obsidian
Vol	volcanic rock
Vpc	Pyroclastic
Vpi	picrite
Vqz	Quartz veined
Vrd	Rhyodacitic volcanic
Vry	Rhyolitic volcanic
Vsh	shoshonite
Vsp	Spilite (volcanic)
Vta	Trachyandesitic volcanic
Vtb	Trachybasaltic volcanic
Vtc	Trachytic volcanic
Vtd	trachydacite
Vtg	tuffaceous greywacke
Vth	Tholeiitic volcanic
Vtl	tuffaceous siltstone
Vtm	tuffaceous mudstone
Vtp	tephra
Vts	tuffaceous sandstone
Vum	Ultramafic volcanic
Vvc	Volcaniclastic
Vvf	Felsic volcanic
Vvi	Intermediate volcanic
Vvm	Mafic volcanic
Vvu	Volcanic undiff

QUALIFIERS

TEXTURE	
acc	acicular
adc	adcumulate
alt	alternating
amd	amygdaloidal
ang	angular
anh	anhedral
bdg	bedded, graded
bdi	interbedded
bdu	bedded/general
blb	blebs
blk	blocky
brn	branchings, anastomosing
cls	clastics
csp	clast supported
ctg	coatings
dis	disseminated
eqg	equigranular
ehd	ehedral
fb	fibrous
fgm	fragmental
fis	fissile
flb	flow banded
fol	Foliated
fri	friable, loose
gns	gneissic
grb	granoblastic
het	heterogeneous
hom	homogeneous
imb	imbricated
ing	intergranular
inq	inequigranular
its	Interstitial
lam	Laminated
mas	massive
mct	mesocumulate text
mlk	milky
mtx	matrix (in or of)
mxs	matrix supported
oct	orthocumulate text
por	porphyritic
ppb	porphyroblastic
psm	Pseudomorphous
rad	radiating
rdd	rounded
rel	relict
rex	recrystallised
sba	subangular
sbh	subhedral
sbr	subrounded
sfx	spinifex textured
stg	sorting good
stm	sorting moderate
stp	sorting poor
sug	sugary
trn	transitional
vug	vuggy
xen	xenolith or xenolithic
xtl	crystalline

GRAIN SIZE

gzb	bouldery (>256mm)
gzc	coarse grained (0.5-1.0mm)
gzc	fine grained (0.1-.25mm)
gzg	granule, gritty (2.0-4.0mm)
gzm	medium grained (.25-0.5mm)
gzo	cobbly (16-256mm)
gzp	pebbly (4-16mm)
gzv	v fine grained (<0.1mm)
gzy	v coarse grained (1.0-2.0mm)

REGOLITH OVERPRINT

FRESH	Basement
LSAP	Lower Saprolite
SAPRK	Saprock
TPC	Insitu Caprock
TPD	Transported
USAP	Upper Saprolite

STRUCTURE	
aug	augen textured or as augen
axs	axial surface
bou	boudinaged
bxh	brecciated
cbx	crackle brecciated
cks	Crack seal
clv	cleaved, cleavage
con	Contact
crc	crenulation cleavage
crn	crenulated
cta	cataclastic
ctt	contorted
dyk	dyke
exf	Extension fracture
fau	faulted, fault
fdz	Fold-related zones
fld	folded, folds
fol	foliated, foliation
frc	fracture, in fractures
hin	hinge
ign	igneous bedding
int	Intrusion
iso	isoclinal
jnt	jointed, jointing
lac	Compositional layering
lam	Laminated
lim	Fold limb
lin	lineated or forming lineation
mas	massive
mor	mineral orientation
myl	mylonitic
nor	normal fault
phy	phyllitic
pla	planar bedding
psh	pressure shadow
ptg	ptygmatic
rev	reverse fault
rie	riedel shear
sch	schistose, schistosity
scl	schlieren textured, schlieren
shd	sheared
shf	Shear foliation
shr	Shear fracture
sil	Sill
sla	slaty cleavage
sls	slickensided
ssp	strike-slip
tec	tectonic
unc	unconformity
unf	unfoliated
vn	vein

OXIDATION

ars	arenose
blc	bleached
bxw	boxworked
cap	cap or capping
ccr	calcreted
fcr	ferricreted
frs	fresh
gos	gossanous
hpn	hardpanized
ind	indurated
lat	lateritic
lch	leached
lom	loamy
mot	mottled or as mottles
oxd	oxidised
pal	pallid
ped	pedogenic
pis	pisolitic
res	residual
sap	saprolitic
sfl	surficial
sit	silcreted
spg	supergene
whl	weathered, highly
wmd	weathered, moderately
wsl	weathered, slightly
wtd	weathered, weathering

COLOUR TONE	
1	very Pale
2	pale
3	light
4	medium light
5	moderate
6	dusky
7	very dusky
8	dark
9	very dark

COLOUR

beige
black
blue
brown
green
grey
khaki
olive
orange
pink
purple
red
white
yellow

ALTERATION

ALTERATION	
aaa	advanced argillic
aag	argillic alteration
aau	alteration unspecific
abi	biotite alteration
abl	bleached, bleaching
acb	carbonate alteration
aci	chlorite alteration
acy	clay alteration
aep	epidotised
agz	greisenized
ahd	hydrothermal
ahm	hematitic
ahp	hypogene
aka	kaolinitic
ams	metasomatic
apc	phyllitic
app	propylitic
apt	potassic
apv	pervasive
apy	pyritic
ase	serpentinised
asi	silica alteration
ask	skarn
asp	spilitic
asr	sericite alteration
asz	serpentinised
atm	tourmaline alteration
aua	undefined alteration assem
aun	unaltered

ALTERATION STYLE

AMY	Vesicles/amygdales/varioles
AURL	Aureole/selvage
BA	Banded
BBV	Breccia vein
DIF	Diffuse
DIS	Disseminated
LSGG	Liesegang-ring-like
MAS	Massive
MO	Mottled
NET	Net-like
PAT	Patchy
PEV	pervasive
repc	Replacement complete
repp	Replacement partial
SPTD	Spotted
VEIN	Vein

ALTERATION INTENSITY

100	intense
80	pervasive
60	moderate
40	strong
20	weak
0	none

MINERALS
MINERALS (AND VEIN COMPOSITION)

aa	agate	le	lepidolite
Ab	albite	li	limonite
ac	actinolite	lp	limonite after pyrite
ad	adularia	ls	limonite after sulphide
ae	andradite	lx	leucoxene
af	allophane	lz	lizardite
ah	anhydrite	mc	microlite
ai	almandine	mg	magnesite
ak	ankerite	mh	maghemite
am	amphibole	mi	mica
an	andalusite	mk	malachite
ao	asbestos	ml	mineral
ap	apatite	mn	manganese oxides
ar	aragonite	mo	molybdenite
as	arsenophyllite	mr	marcasite
au	auridium, gold	mt	magnetite
aw	allanite	mu	muscovite
ax	anatase	mz	monazite
az	azurite	nf	nepheline
ba	barite	nt	nontronite
bi	biotite	oc	orthoclase
bn	bornite	ol	olivine
bs	bismuthinite	op	opaline silica
ca	calcite	ox	orthopyroxene
cb	carbonate	pf	pyrophyllite
cc	chalcocite	ph	phosphate
cd	chloritoid	pi	pitchblende
ce	cerussite	pl	plagioclase
ch	chrysocolla	pn	pentlandite
ck	chalcedony	po	pyrrhotite
cl	chlorite	pp	phlogopite
cm	chromite	pr	prehnite
cn	carbon	pt	platinum
co	cordierite	px	pyroxene
cp	chalcophyllite	py	pyrite
cq	chrysoprase	pz	pyrolusite
cr	cuprite	qc	quartz-carbonate
cs	cherty silica	qz	quartz
ct	cassiterite	rb	riebeckite
cu	copper, native	rd	rhodonite
cv	covellite	ru	rutile
cx	clinopyroxene	sa	sanidine
cy	clay (general)	sb	stibnite
cz	zinozoisite	sc	scapolite
di	diopside	sd	siderite
do	dolomite	se	serpentine
ep	epidote	sf	sphene
fe	ferric iron oxides (goe/hem/lim)	sh	schellite
fl	fluorite	si	sillimanite
fm	ferromagnesian	sm	smectite, montmorillonite
fu	fuchsite	sp	sphalerite
fx	feldspar	sr	sericite
ga	galena	ss	smithsonite
gh	gahnite	st	staurolite
gi	garnierite	su	sulphides
gl	glaucinite	sx	sulphates
gn	garnet	tc	talca
go	goethite	tm	tourmaline
gp	graphite	tr	tremolite
gs	grossularite	tz	topaz
gt	grunerite	ur	uraninite
gy	gypsum	ux	uranium minerals
hb	hornblende	vc	vein carbonate
he	hematite	vl	violarite
hm	heavy minerals	vq	vein quartz
im	ilmenite	vs	vesuvianite
ja	jarosite	wf	wolframite
ka	kaolin	wl	willemite
kf	K-feldspar	wo	wollastonite
ky	kyanite	ze	zeolite
lc	limonite after carbonate	zo	zoisite

VEINS
MINERAL STYLE

acc	acicular
adc	adcumulate
alt	alternating
amd	amygdaloidal
ang	angular
anh	anhedral
bdg	bedded, graded
bdi	interbedded
bdu	bedded/general
blb	blebs
blk	blocky
brn	branchings, anastomosing
cls	clastics
csp	clast supported
ctg	coatings
dis	disseminated
eqg	equigranular
ehd	euhedral
fb	fibrous
fgm	fragmental
fis	fissile
flb	flow banded
flt	faulted
fol	foliated
fri	friable, loose
gns	gneissic
grb	granoblastic
het	heterogeneous
hom	homogeneous
imb	imbricated
ing	intergranular
mas	massive
mct	mesocumulate text
mlk	milky
mtx	matrix (in or of)
mxx	matrix supported
oct	orthocumulate text
por	porphyritic
ppb	porphyroblastic
psu	pseudomorph
pug	puggy
rad	radiating
rdd	rounded
rel	relict
rex	recrystallised
rip	rippled, ripples
rod	rodded, columnar
sba	subangular
sbh	subhedral
sbr	subrounded
sch	schistose
sfx	spinifex textured
shd	sheared
stg	sorting good
stm	sorting moderate
stp	sorting poor
sug	sugary
trn	transitional
ufx	uniform textured
ves	vesicular or in vesicles
vnm	vein
vsl	vein selvage
vug	vuggy
xen	xenolith or xenolithic
xtl	crystalline

VEIN STYLE

vam	Amorphous
van	Anastomosing
vba	Breccia vein aggregate
vbc	Bladed carbonate
vbi	Breccia vein infill
vbl	brecciated vein
vcb	carbonate veined
vcf	Crustiform
vcl	Colloform
vcm	Comb
vcr	chromite
vcs	Vein - central shear
vee	Veins - en echelon
veq	Equigranular
vfb	Fibrous
vlc	vein on lithologic contact
vlt	veinlet
vma	Massive
vme	Vein - massive extension
vmr	massive vein, reef
vmt	veinlets, multiple
vmu	Vein - multiple
vnl	Veinlets
vnl	Vein-normal layered
vqa	Buck quartz anhedral
vqc	quartz carbonate veined
vqe	Buck quartz euhedral
vqz	quartz veined
vrh	Ribbon
vsa	Veins - stockwork array
vsf	Crack seal
vsf	Skeletal framework
vsg	Sigmoidal
vsh	Veins - sheeted
vsh	Sheet-like
vsk	stockworked or as stockworks
vsl	vein selvage
vsn	Vein - single
vst	stringers
vsv	vein subvertical
vsv	Spider veinlets
vtb	Tabular
vug	Vuggy
vut	Sutured
vws	Wispy
vzn	Zoned