

LITH CODES

LITHOLOGY ROOT CODES AND SUB-GROUPS

FELSIC - F	Sub Group
F	unclassified
FR	rhyolite
FD	dacite
FM	microgranite
FA	aplite
FP	porphyry
FG	plutonic

PG	pegmatite
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INTERMEDIATE - I	Sub Group
I	unclassified
IA	andesite
IR	trachyte
IP	porphyry
IG	plutonic

MAFIC - M	Sub Group
M	unclassified
MB	volcanic
MD	dolerite
MG	gabbro
ML	lamprophyre
MD	Prot dolerite

ULTRAMAFIC - U	Sub Group
U	unclassified
UK	komatiite
UD	dunite
UP	peridotite
UX	pyroxenite
UH	hornblendite
UA	amphibole dominant
UC	chlorite dominant
UR	tremolite dominant
US	serpentine dominant
UT	talc dominant

SEDIMENT - S	Sub Group
S	unclassified
SA	argillite
SS	arenite
SR	rudstone
SC	chemically cemented
SV	volcanogenic
SB	carbonate
SUF	unclassified felsic
SUI	unclassified intermediate
SUM	unclassified mafic

VOLCANICLASTIC - C	Sub Group
CV	unclassified
CF	felsic
CI	intermediate
CM	mafic

METAMORPHIC - R	Sub Group
RU	unclassified
RL	low-grade
RM	medium-grade
RH	high-grade
RC	contact

OVERBURDEN - O	Sub Group
Oa	depositional
Of	hardpanisation
Og	gossan

VEINING - V	veining
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NON-LITH	
XD	drilling
XA	anthropogenic

PLUTONIC ROCKS

FELSIC PLUTONIC	
FG	unclassified felsic granitoid
FGAF	alkali-feldspar granite
FGR	granite
FGM	monzogranite
FGO	granodiorite
FGT	tonalite/trondhjemite
FGMQ	quartz-monzonite

INTERMEDIATE PLUTONIC	
IG	intermediate granitoid - unclassified
IGS	syenite
IGSQ	quartz-syenite
IGM	monzonite
IGD	diorite
IGDQ	quartz-diorite
IGMD	monzo-diorite

NON-LITHOLOGICAL	
XLC	Lost Core
XAM	Anthropogenic Material
XPC	Pre-Collar
XAV	Anthropogenic Void

LITH CODES

F	unclassified felsic rock
Fi	unclassified felsic intrusive
Fv	unclassified felsic volcanic
Ft	felsic tuff
Flt	felsic lapilli tuff
Fig	felsic ignimbrite
Fag	felsic agglomerate
Fx	felsic volcanic breccia

FR	rhyolite - unclassified
FRt	rhyolitic tuff
FRtl	rhyolitic lithic tuff
FRtc	rhyolitic crystal tuff
FRlt	rhyolitic lapilli tuff
FRx	rhyolitic volcanic breccia
FRig	rhyolitic ignimbrite
FRi	intrusive rhyolite

FD	dacite - unclassified
FDt	dacitic tuff
FDtl	dacitic lithic tuff
FDtc	dacitic crystal tuff
FDlt	dacitic lapilli tuff
FDx	dacitic volcanic breccia
FDig	dacitic ignimbrite
FDi	intrusive dacite

FP	Felsic porphyry - unclassified
FPQ	quartz Felsic porphyry
FPF	feldspar Felsic porphyry
FPQF	quartz-feldspar Felsic porphyry
FPFQ	feldspar-quartz Felsic porphyry
FPFA	feldspar-amphibole Felsic porphyry
FPFB	feldspar-biotite Felsic porphyry

I	unclassified intermediate rock
Iv	unclassified intermediate volcanic
Ii	unclassified intermediate intrusive
It	intermediate tuff
Itl	intermediate lapilli tuff
Iig	intermediate ignimbrite
Itc	intermediate crystal tuff
Ix	intermediate volcanic breccia

IA	andesite
IAt	andesitic tuff
IAtl	andesitic lithic tuff
IAI	andesitic lapilli tuff
IAx	andesitic volcanic breccia
IAB	basaltic andesite
IAi	intrusive andesite

IR	trachyte
IRt	trachytic tuff
IRtl	trachytic lithic tuff
IRI	trachytic lapilli tuff
IRx	trachytic volcanic breccia
IRi	intrusive trachyte

IP	Intermediate porphyry
IPF	feldspar Intermediate porphyry
IPFB	feldspar-biotite Intermediate porphyry
IPFA	feldspar-amphibole Intermediate porphyry
IPBA	biotite and/or amphibole intermediate porphyry

FMi	intrusive - microgranite
FA	aplite

M	unclassified mafic
Mt	unclassified mafic tuff
MB	unclassified basalt
MBM	high magnesian basalt
MBK	komatiitic basalt
MBT	tholeiitic basalt

MD	dolerite
MDQ	quartz dolerite
MDG	granophyric dolerite
MDL	leucocratic dolerite
MDE	mesocratic dolerite
MDM	melanocratic dolerite
MDN	noritic dolerite
MDxm	dolerite (magnetite-bearing)
MDP	Proterozoic dolerite

ML	Lamprophyre
MG	gabbroid
MGB	gabbro
MGA	anorthosite
MGQ	quartz gabbro
MGN	gabbro-norite
MGL	leucogabbro
MGM	melanogabbro
MGR	norite
MGT	troctolite
MGH	hornblende-gabbro
MGO	olivine gabbro

U	unclassified ultramafic
UK	komatiite/picrite
UD	dunite
UPD	peridotite
UPX	pyroxenite
UH	hornblendite

UA	unclassified amph-dominant ultramafic
UAS	amph-serp ultramafic
UAC	amph-chl ultramafic

UC	unclassified chl-dominant ultramafic
UCA	chl-amph ultramafic

UR	unclassified trem-dominant ultramafic
URT	trem-talc ultramafic
URC	trem-chl ultramafic

UT	unclassified talc-dominant ultramafic
UTCB	unclassified talc-carb ultramafic
UTS	talc-serp ultramafic
UTM	talc-mag ultramafic
UTA	talc-amph ultramafic

US	unclassified serpentinite
USOL	serpentinised olivine-rich rock
USC	serp-chl ultramafic
USA	serp-amph ultramafic
UST	serp-talc ultramafic

LITH CODES

S	unclassified sedimentary rock
	argillites - SA
SAM	mudstone
SAC	claystone
SAS	siltstone
SAG	argillites
SAH	shale
	arenite - SS
SS	sandstone
SSK	arkose
SSW	wacke
SSWL	lithic wacke
SSWA	arkosic wacke
SSG	gritstone
	rudites - SR
SRC	conglomerate
SRX	sedimentary breccia
	chemical sediments - SC
SCT	chert
SCTJ	jasperlite
SIF	sedimentary iron formation (BIF)
SIFi	SIF - limonite
SIFg	SIF - goethite
SIFgh	SIF - goethite-haematite
SIFh	SIF - haematite
SIFmh	SIF - haematite-magnetite
SIFm	SIF - magnetite
	volcanogenic sediments - SV
SVBS	volcanogenic black shales
SVBS\$	sulphidic volcanogenic back shales
	carbonates - SB
SBL	limestone
SBD	dolomitic limestone
	provenance sediments
SUF	sediment undifferentated: felsic provenance
SUI	sediment undifferentated: intermediate provenance
SUM	sediment undifferentated mafic provenance

CV	unclassified volcanics
CVW	undifferentiated volcaniclastic wacke
CVS	undifferentiated volcaniclastic sandstone
CVA	undifferentiated volcaniclastic siltstone
CVR	undifferentiated volcaniclastic conglomerate
	felsic volcanics
CFA	felsic volcaniclastic siltstone
CFS	felsic volcaniclastic sandstone
CFW	felsic volcaniclastic wacke
CFR	felsic volcaniclastic conglomerate
	intermediate volcanics
CIA	intermediate volcaniclastic siltstone
CIS	intermediate volcaniclastic sandstone
CIW	intermediate volcaniclastic wacke
CIR	intermediate volcaniclastic conglomerate
	mafic volcanics
CMA	mafic volcaniclastic siltstone
CMS	mafic volcaniclastic sandstone
CMW	mafic volcaniclastic wacke
CMR	mafic volcaniclastic conglomerate
	depositional
Oae	aeolian sands
Oal	alluvium
Ocy	clay
Ocl	colluvium
Ogv	gravel
Okp	kopi
Ola	lacustrine clays
Osl	soil/loam
Osn	sand
	hardpanisation
Occ	calcrete
Ofc	ferricrete
Olt	laterite
Ost	silcrete
Ogs	gossan

	Unclassified metamorphic rocks
RPE	pelite
RPS	pssamite
RSP	pssamo-pelite
RQZ	quartzite
RQF	quartz-feldspathic rock
	low-grade
RSL	slate
RPH	phyllite
	medium-grade
RSH	schist
RSF	felsic schist
RSB	biotite schist
RSC	chloritic schist
RSI	intermediate schist
RSM	mafic schist
RSA	amphibole schist
RSS	sericite schist
RSF	feldspar schist
RST	talc schist
	high-grade
RAM	amphibolite
RGN	gneiss
RGNM	mafic gneiss
RGI	granulite
RMI	migmatite
	contact
RHF	hornfels
RCC	calc-silicate
RCS	skarn
	unclassified vein
VN	unclassified quartz-carbonate vein
VQ	unclassified quartz-carbonate vein
VL	laminated Vein
VV	vughy vein
VX	brecciated vein
VS	sheared vein
VC	colloform vein
VA	comb vein