

Venture Minerals Lithologic Codes

Code	Description	Code	Description	Code	Description
Regolith					
R	undifferentiated regolith	RL	undifferentiated laterite	RCLY	in situ clay
RCAC	calcrete	RLG	lateritic gravel	RSAP	undifferentiated saprolite
RSIC	silcrete	RLI	in situ laterite	RGOS	gossan ("iron cap"); textural or mineral prefix as appropriate
RFEC	ferricrete	RLT	transported laterite		
Unconsolidated Sediments		Breccias, Faults and Shear Rocks		No Recovery & Cavities	
S	undifferentiated sediment	XHB	hydrothermal breccia	NCAV	cavity
SLG	lateritic gravel	XMYL	mylonite	NREC	no sample recovery
SGVL	unconsolidated gravel	XFB	Fault breccia - incohesive >30% clastic	NSAV	sample no longer available
SPCS	unconsolidated pebbly/cobbly sand			NCTM	contaminated interval
SAND	unconsolidated sand	XFG	Fault gouge - incohesive <30% clastic		
SILT	unconsolidated silt	XFC	Fault cataclasite - cohesive more than >30% clastic	Veins	
SMUD	unconsolidated mud			*V	Veins, ≤2 mineral prefixes
SCLY	unconsolidated clay (transported)			*VB	Vein breccia, ≤2 cement prefixes
cyRB	regolith breccia with clay matrix				
Sedimentary Rocks (S*)					
SS qzSS	>75% sandstone (undifferentiated) over	SMP	phyllite	SCB, ooSCB, stSCB,	undifferentiated carbonate, prefixes oo=oolitic, st=stromatolitic, bc=bioclastic
volcSS	minimum 5m logging interval, prefixes qz	SGRT	grit		
lithSS	= quartz, lith = lithic, volc = volcanogenic,	SSPC	pebbly or cobbly sandstone		
ccSS	cc = calcareous	SSIC	intraclastic SS & SCG		
SM	>75% mudstone over ≥5m	SCG	conglomerate	SLST	limestone
ST	>75% siltstone over ≥5m	SCGR	mud chip conglomerate (rip-ups)	SDOL	dolomite
SSM	25-75% SS & SM over ≥5m	SCGM	monomict conglomerate	SCHT	chert
SST	25-75% SS & ST over ≥5m	SCGP	polymict conglomerate	SBIF	banded iron formation
SMH	shale	SBRM	monomict breccia	SLIG	lignite
SML	slate	SBRP	polymict breccia	STIL	tillite
SMA	argillite			STUF	tuffite (redeposited)
				SLAP	redeposited lapilli-stone
Igneous Rocks (U* for Ultramafic, M* for Mafic, I* for Intermediate, F* for Felsic)					
UM	undifferentiated ultramafic	UKoMC	olivine mesocumulate; komatiite flow	ID	diorite
UDUN	dunite			F	undifferentiated felsic rock
UHAR	harzburgite	MG	gabbro	FG	undifferentiated granitoid
UPX	pyroxenite	MGL	leucogabbro	FGRA	granite
USERP	serpentinite	MD	dolerite	FGRD	granodiorite
UKIM	kimberlite	MB	basalt	FDIO	diorite
ULAP	lamproite	MBHM	high-magnesium basalt	FMOZ	monzonite
ULAY	ultramafic lamprophyre	MBP	pillow-basalt	FSYE	syenite
UK	komatiite (undifferentiated)	MBHY	basaltic hyaloclastite	FTUF	felsic tuff
UKSTX	spinfex textured; komatiite flow	MLAP	mafic lapilli-stone	FV	undifferentiated felsic volcanic rock
UKoOC	olivine orthocumulate; komatiite flow	MTUF	mafic tuff		
		IA	andesite	FRHY	rhyolite
				FDAC	dacite
Metamorphic & Metasomatic Rocks (Z*)					
ZSCH	undifferentiated schist	ZMRB	marble, >50% cb; ≤1 key mineral prefix	mtZXS	>50% magnetite; matrix replacement to massive bands. <am, po & cb. Grn, or aci after vo.
mZSCH	undifferentiated mafic schist; >am, cl &/or bt; <fp, qz, lx etc...	doMRB			
fZSCH	undifferentiated felsic schist; >qz, fp, mu; <mafic minerals	gtZXS	pbl gt in px+cc matrix (<10% px = gtZMRB) ± minor matrix am, mt, po etc. gt→ve; gradational with veZXS	voZXS	>50% vonsenite; aci, radiating
btZSCH	use mineral code prefixes for only the	veZXS	tab, pbl, & orb ve in px-cc matrix.	poZXS	>50% pyrrhotite; bnd, semi-mas to mas
ZGNS	undifferentiated gneiss	olZXS	>50% grn ol; ± ol→sr, hrn, dis mt, patches wt-lgn px.	pyZXS	>50% pyrite; semi-mas to mas
btZGNS	bt-gneiss, K-fp-gneiss, etc... using mineral code prefixes for only the distinguishing minerals	lpZXS	leopard skarn = olZXS w/ irregular granitic blobs/dyklets→px, rimmed by pk gt, lgn px, gn ph.	sdZXS	>25% siderite; includes sqp & s+p, <cs + ksp
ksp-ZGNS		amZXS	>50% amphibole; mas felted bands &/or pseudomorphs of pbl gt. <cb, mt, po, vo.	btZXS	>50% biotite; bn-bk, "books" common ± fl
ZAMP	undifferentiated amphibolite				
ZHF	hornfels, ifg; ≤2 mineral prefixes as appropriate (eg. muZHF, andZHF)	am-voZXS	amphibole (25-50%) + vonsenite (25-50%); vo often radiating aci between am &/or ve after pbl gt.	srZXS	>50% serpentine; mas translucent to flakey lgn-dgn, after olZXS.
amZHF	amphibole (>20%) hornfels				
btZHF	biotite (>20%) hornfels; brownish, brown streak	ammt-ZXS	amphibole (25-50%) + magnetite (25-50%); typically matrix around ex-gt pbl	ZGRS	Undifferentiated greisen; saccharoidal qz-mu aggregate. Ppy fp→po.
pxZHF	pyroxene (>20%) hornfels; whitish to whitish-green				
axZHF	axinite (>20%) hornfels; purplish	ampo-ZXS	amphibole (25-50%) + pyrrhotite (25-50%); pbl	ZQT	tourmaline "greisen" = FGRA w/ ppy fp→tu, saccharoidal qz groundmass ± ifg mu.
qzZHF	quartz (>20%) hornfels; hard, bronze-grey, microcrystalline qz w/ po, black streak				

